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ABSTRACT

The National Household Education Survey (NHES) CD-ROM for 1991, 1993, and 1995 contains an Electronic Codebook (ECB) program that allows the user to examine the variables in each of the NHES data sets easily and to create Statistical Analysis system and Statistical Package for the Social Sciences (for DOS or Windows) that will generate an extract data file from any of the complete NHES data files on the CD-ROM. The CD-ROM contains eight NHES data files (ASCII) and WordPerfect 5.1 files with complete documentation for each data file. The ECB program is designed for use with color or monochrome video displays with automatic video detection, and with IBM-compatible computers with an 80386 or higher processor. With the ECB and instructions in this guide, the user can search the names and levels of NHES variables, examine the question wording, response categories, and frequencies of responses for the variables of interest, create a list of variables to extract, and write programs to extract selected variables. This guide discusses working with ECB menus and windows, and extracting data. Seven appendixes provide additional details about the methodology of the surveys and the program options. (Contains 20 figures and 7 appendix tables.) (SLD)

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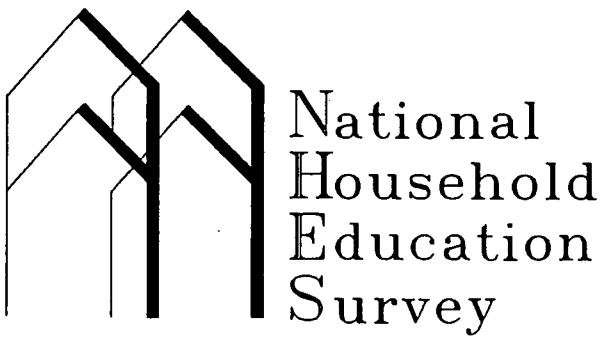
ECB User's Guide **September 1996**

National Household Education Survey

NHES:91/93/95 Electronic CodeBook (ECB) User's Guide



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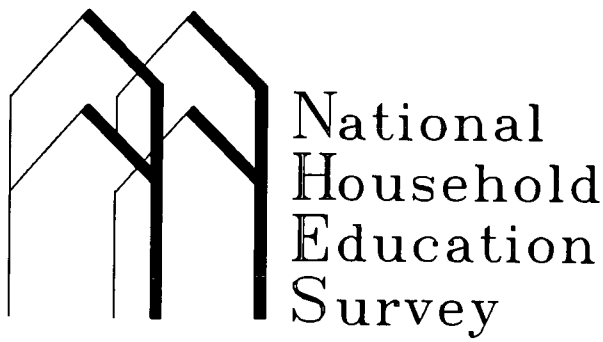

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NCES 96-890

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The Electronic CodeBook was developed by Jeffrey Stunkard of Westat, who made enhancements to the previous work of Paul Close and Jae Jung. They were supported in their efforts by Mary Collins, Westat's Project Director for NHES, Peter Ha, and Elizabeth Davies of Westat.

NHES Mailing List

If you would like to receive announcements of future NHES reports, data sets, or other materials, please send your name, institutional affiliation, address, telephone and fax numbers, and electronic mail address to:

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It would also be helpful if you would indicate your areas of research interest and the data sets you are using or plan to use.

Table of Contents

Section	Page
Contents of the NHES:91/93/95 CD-ROM	1
Hardware/Software Needs	1
What You Can Do with the NHES:91/93/95 ECB	2
Features of the NHES:91/93/95 ECB	2
Installing the NHES:91/93/95 ECB	3
Using the NHES:91/93/95 ECB Program	4
Starting the NHES:91/93/95 ECB Program	4
The ECB Menu Bar	4
The ECB Status Bar	5
Working with Menus	6
To Select a Menu	6
To Cancel a Menu Selection	6
Menu Conventions and What They Mean	6
Working with ECB Windows	7
Resize/Move <Ctrl><F5>	7
Resize	7
Move	8
Zoom <F5>	8
Tile	8
Cascade	9
Next <F6>	9
Close <Alt><F3>	9
Getting Help	9
Cross-References	10
Help Menu	10
The Variable List Window	10
Scrolling the Variable List Window	10
Viewing CodeBook Information for a Variable	11
Tagging Variables for Extraction	11
Deleting Variables from the Variable List Window	12
Focusing the Variable List	12

Table of Contents--Continued

Section	Page
The Tagged Variables Window	13
Scrolling the Tagged Variables Window	13
Viewing CodeBook Information for a Variable	13
Deleting (Untagging) Variables from the Tagged Variables Window	14
Using Predefined TagLists	14
Printing and Saving TagLists	15
Available Workspace	16
Extracting Data	17
Defining the Extract Population	17
Writing the Extract Program File	23
Reviewing the Extract Specifications	23
Switching Catalogs	24
Quitting the NHES:91/93/95 ECB	24
Appendix A: Survey Methodology Documentation	25
Appendix B: Directory Listing of the NHES:91/93/95 CD-ROM	27
Appendix C: Predefined Taglists	29
Appendix D: Menu Descriptions	35
Appendix E: Quick Start--Sample ECB Session	39
Appendix F: SAS and SPSS Extract Program Examples	43
Example 1. SAS Program Example	43
Example 2. SPSS for DOS Program Example	52
Example 3. SPSS for Windows Program Example	64
Appendix G: Configuring the ECB Directories	77

Contents of the NHES:91/93/95 CD-ROM

The NHES:91/93/95 CD-ROM contains an Electronic CodeBook (ECB) program that, after installed on your own personal computer, allows you to easily examine the variables in each of the NHES data sets as well as create SAS, SPSS for DOS, or SPSS for Windows programs that will generate an extract data file from any of the complete NHES data files on the CD-ROM. The following flat (ASCII) NHES data files are contained on the CD-ROM:

- 1991 Adult Education, Adult file;
- 1991 Adult Education, Course file;
- 1991 Preprimary file;
- 1991 Primary file;
- 1993 School Readiness file;
- 1993 School Safety and Discipline file;
- 1995 Adult Education file; and
- 1995 Early Childhood Program Participation file.

In addition, the NHES:91/93/95 CD-ROM also contains WordPerfect 5.1 files with complete documentation for each data file. Properly formatted copies of the documentation can be printed using WordPerfect 5.1 and a HP LaserJet III or similar printer. Instructions on how to access these documents can be found in appendix A. Appendix B contains a full directory listing of the CD-ROM which describes each file and the contents of each directory.

The CD-ROM also contains programs (in ASCII format) for each NHES data file that will create SPSS for Windows system files containing all variables (with all assigned variable and value labels). These programs have been made available for Macintosh users to copy and edit to suit their needs. However, users of other systems may also find them helpful. The MACPROGS directory on the CD-ROM contains these programs as well as a "README" file that users of these programs should review.

Hardware/Software Needs

The Electronic CodeBook (ECB) program is designed to be used with computer monitors having either color or monochrome video displays with automatic video detection. It is designed for use on IBM-compatible PCs running MS/DOS 3.3 and above. The ECB has been tested on IBM-compatible PCs based on the Intel 80286, 80386, i486, and pentium processors. An 80386 or higher processor is recommended. ***Note that the ECB is not designed to run as a Windows-based application. Users who attempt to use the ECB in a Windows environment will likely experience problems with the ECB software.*** That is, when either Windows 3.1 or Windows 95 is currently operating, the ECB program will not function properly in a DOS shell. This is primarily because the active Windows desktop consumes conventional memory which is also needed to run the NHES ECB.

The NHES ECB program requires 30 MB (megabytes or million bytes) of available disk space on your C: drive. If 30 MB are not available, you will need to delete files on your C: drive to make room for the ECB program.

As suggested above, SAS, SPSS for DOS, or SPSS for Windows software is needed in order to run the programs generated by the ECB that extract data from the CD-ROM. It may also be useful to have ASCII editing software to edit the programs, although SAS and SPSS allow for editing. Word processing software capable of reading WordPerfect 5.1 files is also needed to print properly formatted copies of the data file documentation.

What You Can Do with the NHES:91/93/95 ECB

- Search the names and labels of variables in the NHES:91, NHES:93, and NHES:95 databases (called catalogs) to select variables for analysis (see section on the Variable List Window, page 10).
- Examine the question wording, response categories, and frequencies of responses for variables you choose (see Viewing CodeBook Information for a Variable, page 11).
- Create a list of variables you want extracted from the catalog, save your list for later use, print your list, or use a predefined list (see the Tagged Variables Window, page 13).
- Write a SAS, SPSS for DOS, or SPSS for Windows program to extract selected variables from the whole data set or for a subset of the cases you define (see Extracting Data, page 17).

NOTE: The NHES:91/93/95 ECB does not create a SAS, SPSS for DOS, or SPSS for Windows data file. It will prepare the statements that you can use with your own SAS, SPSS for DOS, or SPSS for Windows software to create your file. As noted above, the NHES:91/93/95 ECB CD/ROM contains the data files from each of the NHES:91, NHES:93, and NHES:95 databases, or catalogs.

Features of the NHES:91/93/95 ECB

- A menu-driven system that can be used with a mouse or with key stroke commands (see Working with Menus, page 6 and appendix D).
- Variable List and Tagged Variable Windows that open automatically when a catalog is selected (see figure 1, page 5).
- The ability to open and view multiple windows and commands to manage and organize the windows (see Working with ECB Windows, page 7).
- Scroll functions for windows that allow you to get information from the catalog easily (see Scrolling the Variable List Window, page 10).
- Predefined TagLists that contain groups of related variables that are frequently used together (see the Tagged Variables Window, page 13, and appendix C).
- Help screens for the window or menu command that is currently active (see Getting Help, page 9).

Installing the NHES:91/93/95 ECB

Follow the steps listed below to install the NHES:91/93/95 ECB. ***If you have already installed the previously released NHES:91 ECB or NHES:91/93 ECB, it is recommended that you delete it from your hard drive before installing this edition (see step 1 below). The NHES:91/93/95 ECB contains all of the previously released data and has been enhanced for more efficient analysis.***

1. If you have installed a previously released NHES ECB, it is recommended that you delete all files under the C:\ECB directory. If you have any files you would like to keep, such as taglists or analysis programs, save them in another location (e.g., in another directory or on a floppy disk). If you do not delete the files from a previously installed NHES ECB, the install program for the NHES:91/93/95 ECB will prompt you for verification before overwriting each ECB-related file with those from the new NHES:91/93/95 ECB. This can be a rather lengthy process, since there are many ECB-related files.

2. Check to make sure there are at least 30 megabytes of storage space available on the C:\ drive. (If there is insufficient space, the ECB installation program will notify you with a message.)

3. Place the NHES:91/93/95 compact disc in the CD/ROM drive.

4. Change to the CD/ROM drive:
   D: (or the drive letter for your compact disc reader)

5. Type:
   INSTALL
   and press the **<Enter>** key.

The ECB installation program creates a C:\ECB directory to house the ECB program. You will be asked to confirm the creation of the C:\ECB directory to hold the program files and to confirm the actual installation. You confirm by pressing any key.

The installation program temporarily installs two executable programs on your hard disk. These files, GETPCID.EXE and NHESECB3.EXE, are also on the CD-ROM. GETPCID.EXE identifies the type of PC you are using and makes sure that there is enough space on the hard disk to hold the ECB program and associated files. NHESECB3.EXE is the zipped (compressed) program that "explodes" the ECB program and associated files during installation. The installation program will delete these two files from your hard disk when installation is complete.

Starting the NHES:91/93/95 ECB Program

Follow these directions to start the NHES:91/93/95 ECB program:

1. Open your C: drive:
   C:

2. Change to the C:\ECB directory:
   CD\ECB

3. Type:
   ECB
   and press the **<Enter>** key.

4. The opening display shows the program name and version number. Press **<Enter>** or click the mouse on the "**OK**" button.

5. The next display is a Catalog Selection dialog box[1]. The catalog choices are 91:Adult; 91:Adult - Courses; 91:Child - Primary; 91:Child - Pre-Primary; 93:School Readiness; 93:School Safety and Discipline (Youth); 93:School Safety and Discipline (Parent); 93:School Safety and Discipline (Combined); 95:Adult Education; and 95:Early Childhood Program Participation (ECPP). Select a Catalog by using the arrow keys to highlight your choice and pressing **<Enter>**. With a mouse, you can simply click on your choice and then click on the "**OK**" button.

The Select Catalog dialog box disappears. After a few moments, two windows are displayed on the screen, one labeled "Variable List" and the other labeled "Tagged Variables." Also displayed on the screen are the ECB Menu Bar and the ECB Status Bar.

Figure 1 shows the Variable List and the Tagged Variables Windows that appear when the 1991 Adult Catalog is selected. The comparable windows for the other catalogs are very similar.

The ECB Menu Bar

The menu bar is the top row of the screen (see figure 1). Menu bar commands are accessed by pressing the menu key, **<F10>**, to make the menu bar active, and then using the arrow keys to highlight the menu command. Press **<Enter>** to run the command.

Menu commands can also be accessed by pressing and holding down the **<Alt>** key while pressing the highlighted character for a given menu choice. For example, the Utility menu is activated by pressing **<Alt>** and **<U>** simultaneously. The menu bar is also easily accessed by clicking with a mouse. Appendix D shows the choices and functions available within each menu of the ECB.

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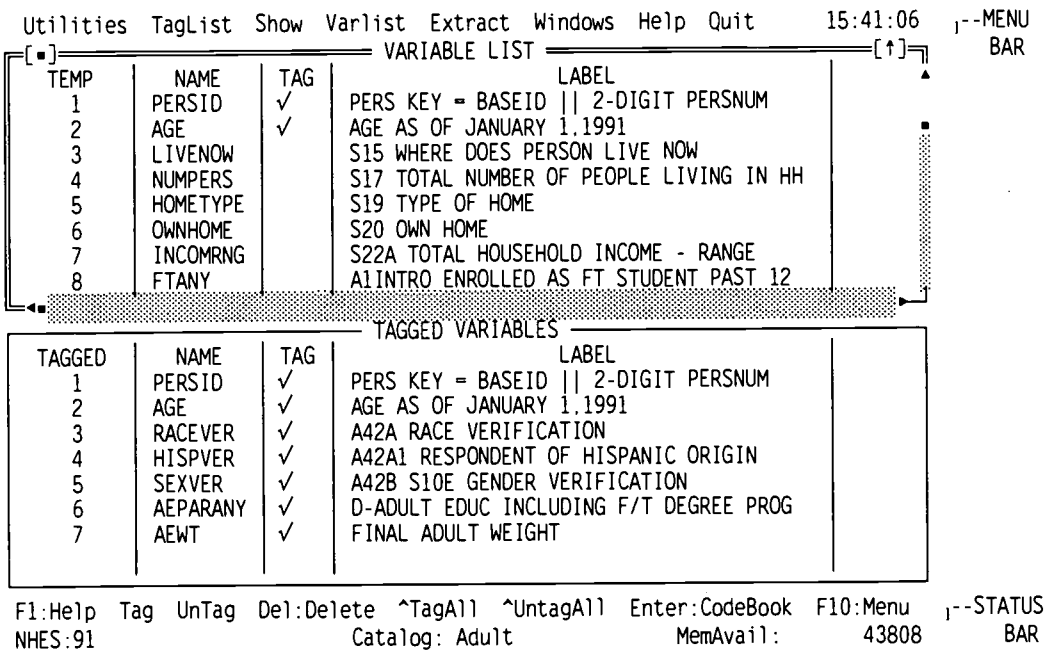
[1]A dialog box is a window that asks for information from the user about how to proceed. Examples are the selection of a particular catalog (database) or the selection of specific cases for the extract file.

Figure 1.--Variable list and tagged variables windows



After selecting a Catalog, the menu bar commands are available to you at all times, except when you are answering a dialog box (for example, defining a search, changing the system configuration, or creating an extract file) or when the commands are not relevant (such as the command to size a window if no windows are currently displayed). When commands are not available, they will appear in dimmed print.

The ECB Status Bar

The Status Bar is the bottom two lines of the screen (see figure 1). The first line shows some shortcut keys that are useful in the current mode. For example, one shortcut key may be **<F1>** to view a context-sensitive Help screen. Keyboard users can press the **<F1>** key to see the Help screen. Mouse users can click on the shortcut key to activate the command.

The last line on the screen shows the study name and survey year of the catalog selected (NHES:91), the current catalog name (e.g., Adult) and the amount of DOS memory (characters) left as available workspace (MemAvail). Available workspace is discussed further on page 16.

Working with Menus

The NHES:91/93/95 ECB commands are listed on *menus*. After selecting a menu, the user chooses a command from that menu. Choosing the command carries out the action.

To Select a Menu

Mouse > Point to the name of the menu on the menu bar and click the name to open the menu. (You can drag the selection cursor down the menu if you want to move to a menu item immediately.)

Keyboard >

1. Press **<F10>** to select the menu bar.
2. Press **LEFT ARROW** or **RIGHT ARROW** to select the menu you want. (Using the **DIRECTION** keys also selects the box for the active document window.)
3. Press **<Enter>** to open the selected window.

HINT. If the menu names have highlighted letters, you can move to the menu bar, select a menu, and open it with one step. Press **<Alt>**, and then press the letter. For example, to open the TagList menu, press **<Alt> <T>**. If more than one menu has the same highlighted letter, the ECB selects the first name listed. Press **<Alt>** <letter> again to select the next menu.

To Cancel a Menu Selection

- Click the menu name a second time or click anywhere outside the menu, or
- Press **<Esc>** to cancel the menu and move back to the windows.

Menu Conventions and What They Mean

Dimmed command name. If a command cannot be selected at this time, it will appear dimmed on the screen. Use of this command may be contingent upon first activating another command, or the command may not be activated with your particular application.

A key combination after the name. A key combination (e.g., **<Ctrl><F5>**) is a *shortcut* for selecting this command without first opening the menu.

Working with ECB Windows

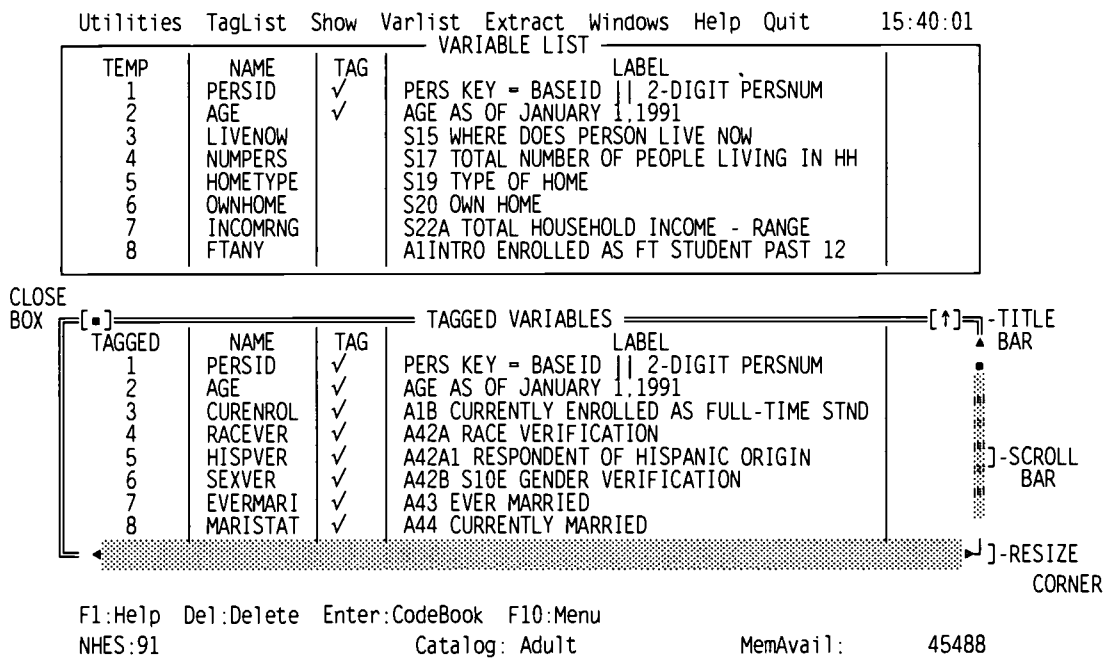
The Window menu contains commands to close, move, and perform other window-management commands. The active window, which responds to the commands of the user, is represented by a double line border. In figure 2, for example, the Tagged Variables window is the active window.

Most of the windows in this program have standard window elements, including scroll bars, a close box, and zoom icons. The following window menu commands are available to users of the ECB.

{Resize/Move}	{Zoom}
{Tile}	{Cascade}
{Next}	{Close}

Each of these commands are described below.

Figure 2.--Elements of an active window



Resize/Move <Ctrl> <F5>

Choose this command to change the size or position of the active window.

Resize

Pressing **<Shift>** while using the arrow keys will change the size of the active window. Once you've adjusted its size, press **<Enter>**.

The Variable List and Tagged Variables List windows each have a Resize corner, where the bottom right corner has a single-line border instead of a double-line border. With the Resize corner, you can adjust the window size by pressing and holding down the left or right mouse button on the corner while moving the mouse. A Resize corner is shown in figure 2.

Move

Choosing Window Resize/Move also allows the user to move the active window using the arrow keys. Once you've moved the window to where you want it, press **<Enter>**.

You can also move a window by dragging its title bar with the mouse (this cannot be done within the Resize option, however). The title bar is shown in figure 2.

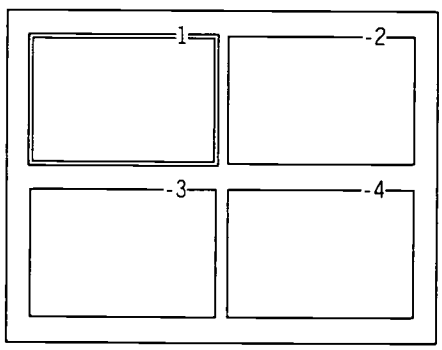
Zoom <F5>

Choose Window Zoom to expand the active window to the maximum size. If a window is already zoomed, choosing Window Zoom will restore it to its previous size.

Using a mouse, you can also double-click anywhere on the window's title bar (except where an icon appears) to zoom or unzoom the window.

Tile

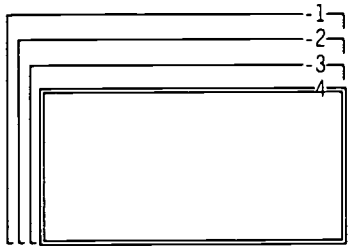
Choose Window Tile to view all currently opened windows. For example, if four windows have been opened (and not yet closed), the Tile command will enable the user to see all four windows at the same time. See below.



Tiled Windows

Cascade

Choose Window Cascade to stack all opened windows on the desktop. See below for an illustration of cascading four windows. Choose Window Tile to "unstack" the opened windows.



Cascaded Windows

Next <F6>

Choose Window Next to cycle through and view the opened windows. Mouse users can also click anywhere inside a window to make it the active window.

Close <Alt> <F3>

Choose Window Close to close the active window. You can also click the Close box (a small rectangle in the upper left corner of the Window border) to close a window. See figure 2 (page 7) for a Close box. After you have closed a window, you may wish to reopen it. The Show command **<Alt> <S>** on the Menu Bar gives you the option of opening the Variable List or the Tagged Variable list.

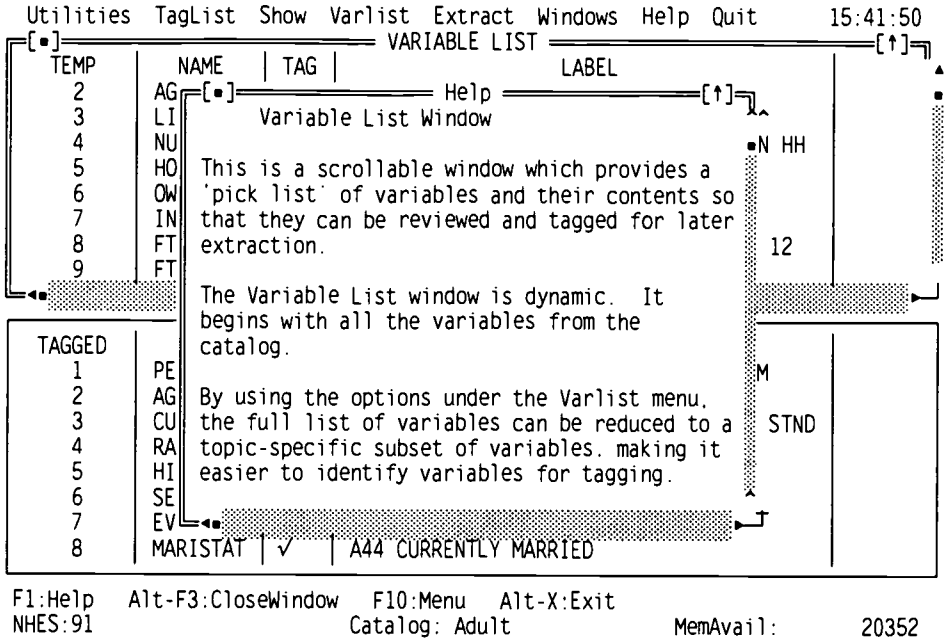
Getting Help

Context-sensitive help is always available in the ECB. Simply press the **<F1>** key and a window pops up on the screen describing the current activity. For example, figure 3 (page 10) shows the screen you would see if you were browsing a Variable List Window and pressed **<F1>** to bring up context-sensitive Help.

Special Help screens are available for different types of windows, dialog boxes, and menu choices. Help text windows can be scrolled, moved, and resized like any other window. Unlike other windows, Help windows are "modal." This means that you will not be able to do anything else (select another window, use the menu, etc.) until you close the Help window.

Help windows can be closed by pressing the **<Esc>** key or clicking on the close box.

Figure 3.--A context-sensitive help screen



Cross-References

Often, certain words or phrases in the help text are highlighted. These are cross-references. When a cross-reference is highlighted, pressing **<Enter>** will bring up the Help text for the highlighted item. For Help windows that have several cross-references, the **<Tab>** key allows the user to move the highlight to another cross-reference. Mouse users can double-click on a cross-reference to activate it.

Help Menu

A listing of help topics is available by selecting Index from within the Help menu. The **<Tab>** key allows the user to move the highlight to another topic. Mouse users may click on a topic to highlight it.

The Variable List Window

The Variable List Window is a picklist of variables for the current catalog. Each catalog has a single Variable List Window. The Variable List Window starts out showing ALL variables in a given catalog. The Variable List is the active window in figure 1 (page 5).

Scrolling the Variable List Window

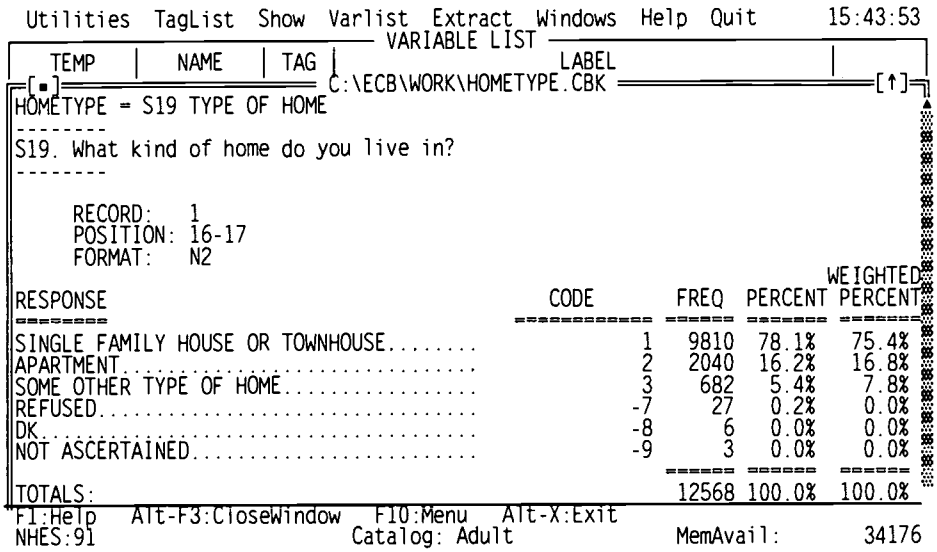
You can scroll the variable list using the arrow keys to scroll one line at a time. **<PgUp>** and **<PgDn>** scroll the list one screen at a time. **<Ctrl><PgUp>** and **<Ctrl><PgDn>** will

move to the first and last variable in the list, respectively. Mouse users can scroll the list with the same keys or click on the scroll bar on the right border of the window. The scroll bars are shown in figure 2 (page 7).

Viewing CodeBook Information for a Variable

To view CodeBook information for a variable, scroll the variable list until the selected variable is highlighted. Then, press **<Enter>**. Mouse users can double-click on the variable. Figure 4 shows a CodeBook Information Window that displays information for a specific variable from the 1991 Adult Catalog. The information displayed includes the following: the variable name and label; the question wording associated with the variable; the location and format of the variable on the data file; each value and its label; frequencies, unweighted percentage distributions and weighted percentage distributions.

Figure 4.--Codebook information window



Tagging Variables for Extraction

While browsing the Variable List Window, a variable can be tagged for extraction by pressing "**T**" or "**t**" or by pressing the spacebar while the variable is highlighted. A small check mark will appear in the **Tag** column. At the same time, the variable will be added to the Tagged Variables Window. In both figure 1 (page 5) and figure 2 (page 7), tagged variables can be seen. Pressing "**U**" or "**u**" or the spacebar will untag the variable. The check mark will disappear and the variable will disappear from the Tagged Variables Window. Pressing the spacebar will toggle the tag (off if on, on if off). Variables can only be tagged or untagged one at a time; a group of variables cannot be highlighted for tagging or untagging. However, **<Ctrl><T>** will tag ALL variables in the Variable List Window for extraction and **<Ctrl><U>** will untag ALL variables in the window. Please note however, that because the total number of variables in each of the NHES:95 ECPP and AE catalogs is quite large, if *all* variables in these catalogs are tagged, it will not be possible to write out an extract program that includes all the variables (please also see the section, Extracting Data, on page 17). Mouse users can click with the left or right mouse button to toggle the tag for a single variable. Mouse users can also click on **Tag** or **Untag** on the status bar to tag and untag variables.

Deleting Variables from the Variable List Window

The currently highlighted variable can be deleted from the Variable List Window by pressing the **<Del>** key. This has *no effect* on whether the variable is currently tagged for extraction.

Focusing the Variable List

The Varlist functions on the Menu Bar operate on the Variable List Window. Choosing the Narrow option under the Varlist menu will cause the Variable List to shrink so that it includes only variables whose name or label contains the keyword you enter.

Choosing the Expand option under the Varlist menu will cause the Variable List to grow so that it includes all the original variables, *plus* any variables for the catalog whose name or label contains the keyword you enter. Note that the initial Variable List Window contains *all* variables for a given catalog, so selecting the Expand option is never necessary unless the original variable list has been modified. Figures 5 and 6 (page 13) show the dialog boxes that pop up to allow you to enter a keyword for the search. Simply type in a short phrase and press **<Enter>**. You can enter a key word that will expand the Variable List or narrow it.

The Reset option under the Varlist menu creates a Variable List Window showing *all* variables for the catalog. This list is identical to the Variable List Window that appears when the catalog is first opened.

Focusing a Variable List Window has *no effect* on the list of variables that are tagged for extraction.

Figure 5.--Varlist/narrow window

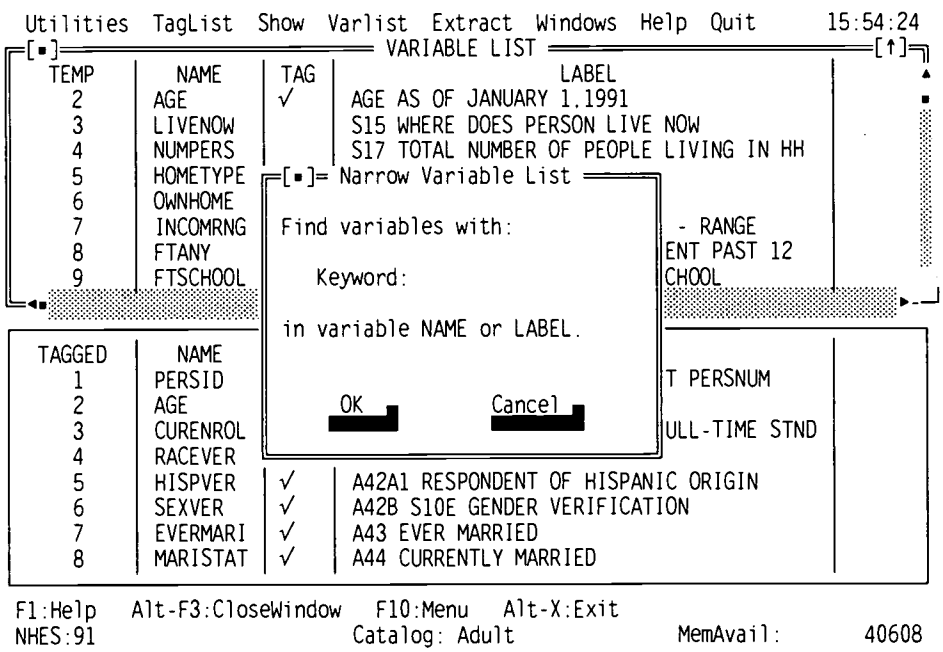
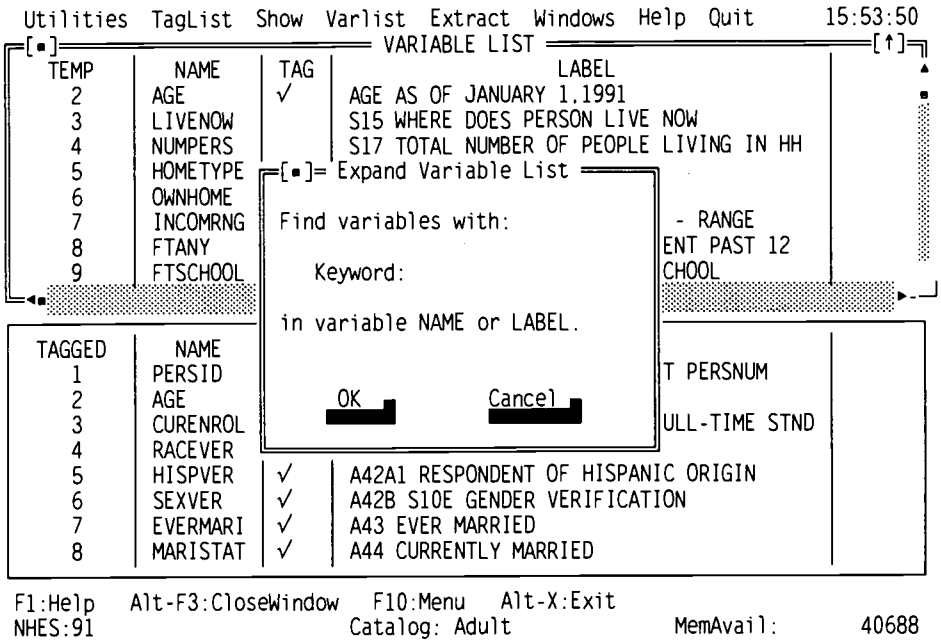


Figure 6.--Varlist/expand window



The Tagged Variables Window

The Tagged Variables Window displays a list of variables that are currently selected (tagged) for extraction. Each catalog has a single Tagged Variables Window. The initial Tagged Variables Window consists of a set of variables required for most analyses (the REQFLDS predefined TagList). Users may alter the Tagged Variables Window according to their analytic needs. See figure 1 for an example of a Tagged Variables Window.

Altering the TagList has *no effect* on the list of variables in the Variable List Window. However, if a variable is present in the Variable List Window and is then added to the Tagged Variables Window, a check mark will appear next to that variable in the Variable List Window.

Scrolling the Tagged Variables Window

Scrolling the Tagged Variables Window is exactly like scrolling the Variable List Window. You may scroll the Tagged Variables Window using the arrow keys, **<PgUp>**, **<PgDn>**, **<Ctrl><PgUp>**, and **<Ctrl><PgDn>**. Mouse users can scroll the list with the same keys, or click on the scroll bar on the right border of the window.

Viewing CodeBook Information for a Variable

The user can view the CodeBook information for variables in the Tagged Variables Window in the same manner as the Variable List Window. To view CodeBook information for a variable, scroll the Tagged Variables Window until the variable you want to review is highlighted. Then press the

<Enter> key. Mouse users can double-click on the variable. In either case, a CodeBook Information Window will display for the variable. To close the window, press **<Alt><F3>**, or use the mouse to click on the close box in the upper left corner of the CodeBook Information Window.

Deleting (Untagging) Variables from the Tagged Variables Window

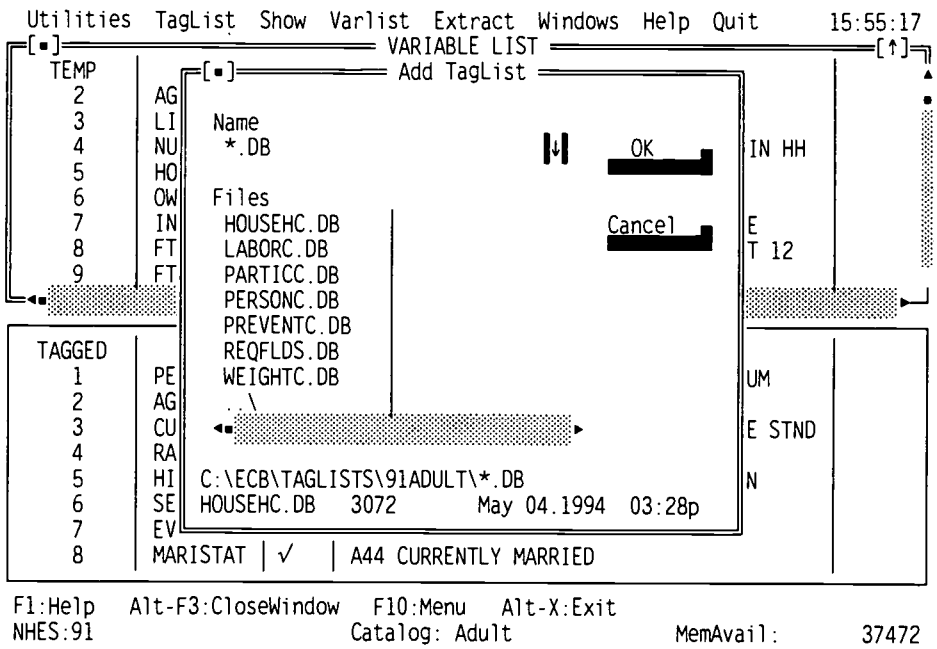
A currently highlighted variable can be deleted from the Tagged Variables Window (and therefore untagged) by pressing the **<Del>** key. If the variable is present in the Variable List Window, the check mark next to the variable will also disappear.

Using Predefined TagLists

The TagList functions on the Menu Bar operate on the Tagged Variables Window. Selecting the Add option in the TagList menu will expand the Tagged Variables Window so that it contains all of the originally tagged variables as well as those variables in the TagList that you select.

Figure 7 shows the dialog box that allows you to select a TagList to Add to the current TagList. Use the arrow keys to highlight the TagList you want to add or click on the TagList name, and press **<Enter>** to start the merge. You may add as many TagLists as you wish. Appendix C describes the contents of the predefined TagLists for each catalog. Note that once you add a TagList to your set of tagged variables, it cannot be deleted as an entire list. To delete the entire list you will have to delete the variables one-by-one.

Figure 7.--Add taglist window

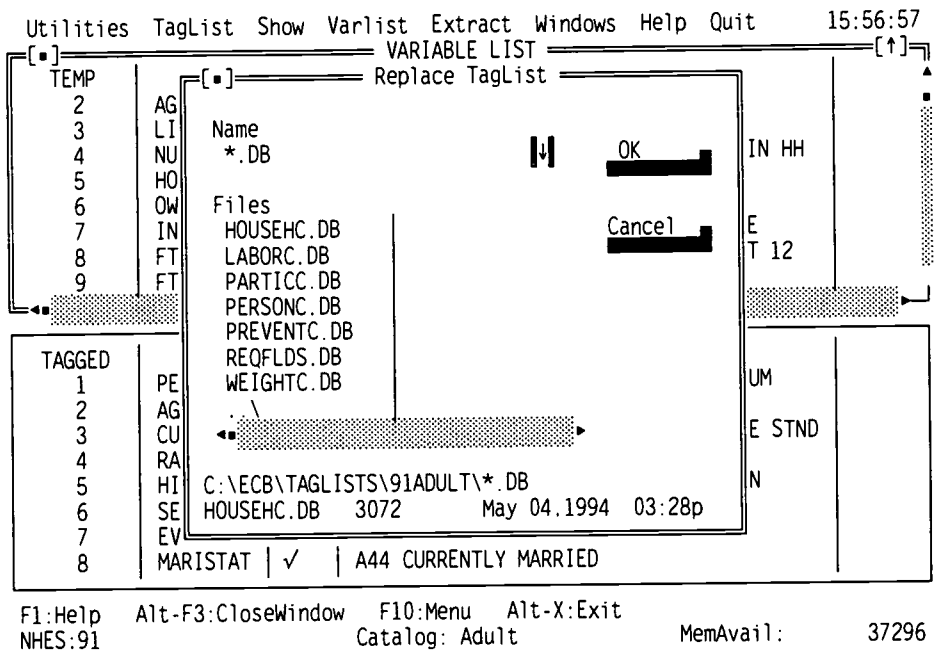


Each catalog contains a TagList of "required fields" or variables that must be included for analysis (REQFLDS.DB). These variables, among which are the case identification number, the final sample weight, and a few others, will be automatically included in extracts. Even if the user accidentally "untags" a required field so that the variable appears untagged on the screen, these variables will automatically be written into the extraction code.

Choosing the Replace function in the TagList menu will cause the current entries in the Tagged Variables Window to be replaced by the list of variables in the predefined TagList that you select. All previously tagged variables will be removed from the Tagged Variables Window. However, as stated above, while the required fields will not be visible in the Tagged Variables Window, they will be automatically extracted.

Figure 8 shows the dialog box that pops up to allow you to select a TagList to replace the current TagList. Use the arrow keys to highlight a selected TagList or click on the TagList name and press **<Enter>** to start the replacement.

Figure 8.--Replace taglist window



Printing and Saving TagLists

Selecting the Print option in the TagList menu allows you to print the current TagList to your default printer (see figure 9, page 16).

Figure 9.--Text file of current taglist as printed by default printer

```
Current TagList
===============

Name      LABEL
--------  ---------------------------------------
PERSID    PERS KEY = BASEID || 2-DIGIT PERSNUM
AGE       AGE AS OF JANUARY 1,1991
CURENROL  A1B CURRENTLY ENROLLED AS FULL-TIME STND
RACEVER   A42A RACE VERIFICATION
HISPVER   A42A1 RESPONDENT OF HISPANIC ORIGIN
SEXVER    A42B S10E GENDER VERIFICATION
EVERMARI  A43 EVER MARRIED
MARISTAT  A44 CURRENTLY MARRIED
HIGHGRAD  A59 HIGHEST GRADE COMPLETED
HSDIPLMA  A60 RECEIVE HIGH SCHOOL DIPLOMA OR EQUIV
MAINACTY  A61 MAIN ACTIVITY IN PAST 12 MONTHS
MILFLG    MILITARY FLAG
SIC       INDUSTRY CODE
SOC       OCCUPATION CODE
AELABOR   D-LABOR FORCE STATUS
AEPARANY  D-ADULT EDUC INCLUDING F/T DEGREE PROG
RACEETHN  D-RACE-ETHNICITY
SALARY    D-ANNUAL SALARY/CURRENT OR MOST RCNT JOB
SCHOOLNG  D-YEARS OF SCHOOL COMPLETED
AEWT      FINAL ADULT WEIGHT
```

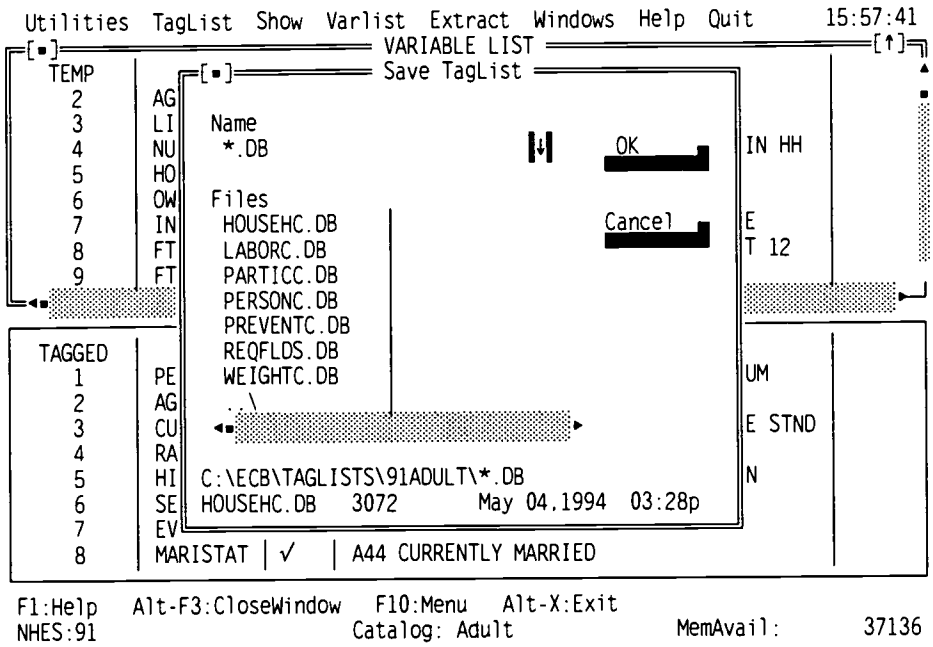
To save the current Tagged Variables Window as a TagList, select the Save option in the TagList menu. Figure 10 (page 17) shows the dialog box that allows you to enter a name for your TagList. Type in a name of up to eight characters for your TagList and press **<Enter>** to save it with that name. The extension .DB is automatically added to the TagList.

WARNING: If you enter a name that already exists, the old TagList will be replaced by your new TagList without warning. Only duplicate an existing name if you wish to replace the old TagList with your new TagList.

Available Workspace

As you work in the ECB, scrolling through the variables in the windows and tagging variables, the amount of DOS memory (characters) left as workspace will decrease. As mentioned above, the amount of workspace available is indicated at the bottom of the screen (MemAvail). It is recommended that you monitor the amount of workspace remaining as you are working. If the available workspace is depleted, a message will appear indicating that there is insufficient memory to continue and you must exit the ECB program without being able to save your work. Therefore, it is recommended that you periodically save your TagList as you are working, plus keep an eye on the amount of available workspace, particularly if you are tagging a large number of variables. When the workspace approaches 10,000, it is recommended that you do the following to increase the amount of workspace available: save your TagList, exit the ECB, restart the ECB, add the TagList you saved, and proceed with tagging any additional variables.

Figure 10. Save TagList Window



Extracting Data

Once the variables have been selected for extraction (tagged), the next step is to write the SAS, SPSS for DOS, or SPSS for Windows code necessary to extract the data from the data files. The Extract functions on the Menu Bar accomplish this.

The SAS Code option in the Extract menu will cause the necessary SAS program code to be written to a file whose name you specify. The .SAS extension is automatically added. The SPSS DOS Code and SPSS Win Code options will cause the necessary SPSS for DOS or SPSS for Windows program code to be written to a file whose name you specify. The .SPS extension is automatically added to the file you name.

Please note that SPSS for DOS data sets are limited to 500 variables. Figure 11 (page 18) shows an SPSS for DOS error screen. Also note that the ECB only allows for a maximum of 895 variables for SPSS for Windows extract programs and a maximum of 900 variables for SAS extract programs. This is only an issue for the NHES:95 ECPP and AE data sets, which each contain more than 900 variables. If you attempt to create an SPSS for Windows or SAS extract program with more than 895 or 900 variables, respectively, an error message will appear advising you to reduce the number of tagged variables in order to avoid a system crash.

Defining the Extract Population

Using either the SAS, SPSS for DOS, or SPSS for Windows Code options, you will be presented with a dialog box that allows you to define the extract population. By default, the extract population is *all* respondents in the catalog. You may select to include only female subjects, or only persons of Hispanic origin, etc.

Figure 11.--SPSS for DOS error screen

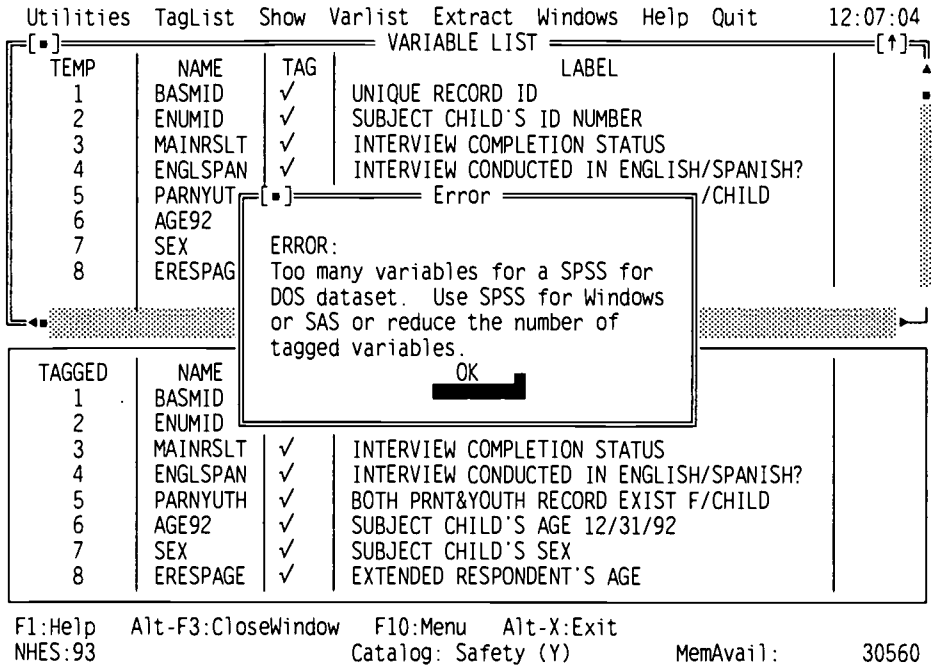


Figure 12 (page 19) shows the dialog box for the 1991 Adult Catalog that pops up to allow you to define the extract population. This particular dialog box includes several sections that appear for most catalogs: Sex, Race, and Age. In addition, Adult Catalogs have a Participation section, while Child Catalogs have a Grade or Interview section. The extract specification window for the 1991 Adult Education Course file looks the same as that in figure 12, except that there is no participation criteria. Examples of the Extract Specification Windows for the other NHES data sets are shown in figures 13 through 18 (pages 19-22).

The Extract Specification Window displays various subgroups of respondents that are typically of interest to analysts. This Window allows the user to specify a subgroup based on characteristics, such as sex, race, and age. By selecting the subgroup of interest, the user can easily generate SAS, SPSS for DOS, or SPSS for Windows code that will subset the data to the subpopulation specified.

Subpopulations, with the exception of those sorted by age (or grade level for the School Safety and Discipline catalogs), are included in the extract file only when there is an "X" next to their description in the Extract Specification dialog box. They are excluded when there is not an "X" next to their description. For example, if there is an "X" next to "Male," but no "X" next to "Female," only male subjects will be included in the extract file.

Changing a Setting: Except for the age settings (or grade settings for the School Safety and Discipline catalogs), a setting can be changed by pressing the spacebar. Mouse users can click on a setting to change it. For example, pressing the spacebar while "Male" is highlighted will turn the "X" off if it already exists (to deselect males) or turn the "X" on if it does not exist (to select males).

To specify an age or grade range other than the default range, the user must enter the low and high ages or grades directly, by typing a number into the window. For child and adult catalogs, the

Figure 12.--Extract specification window

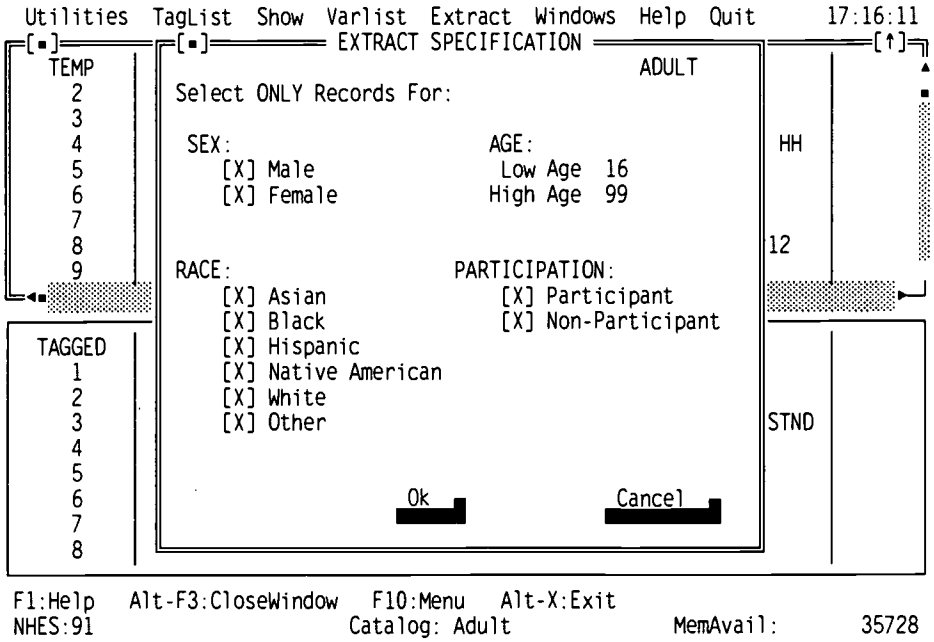


Figure 13.--Primary extract specification dialog window

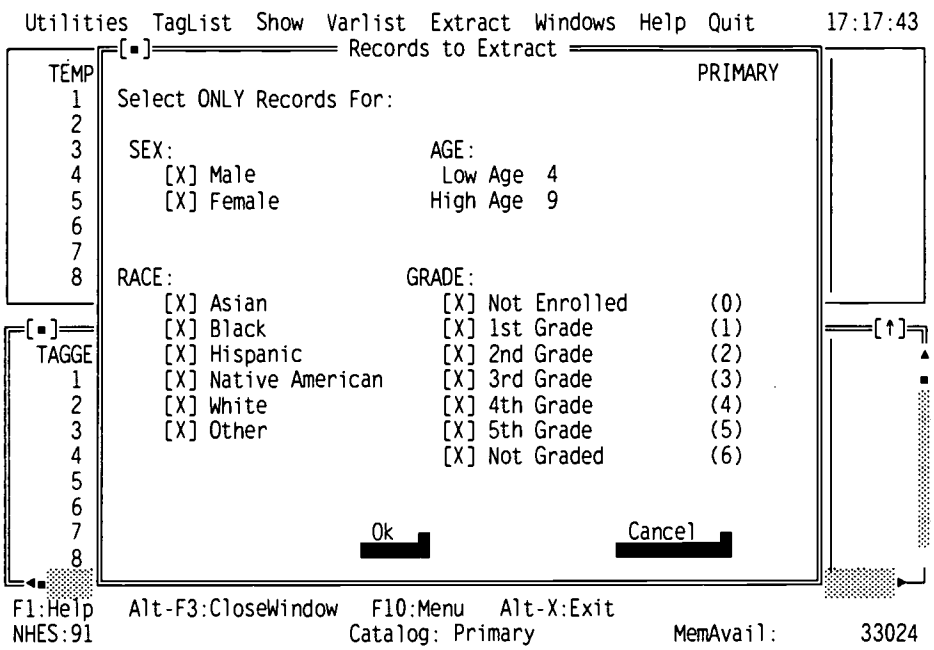


Figure 14.--Preprimary extract specification dialog window

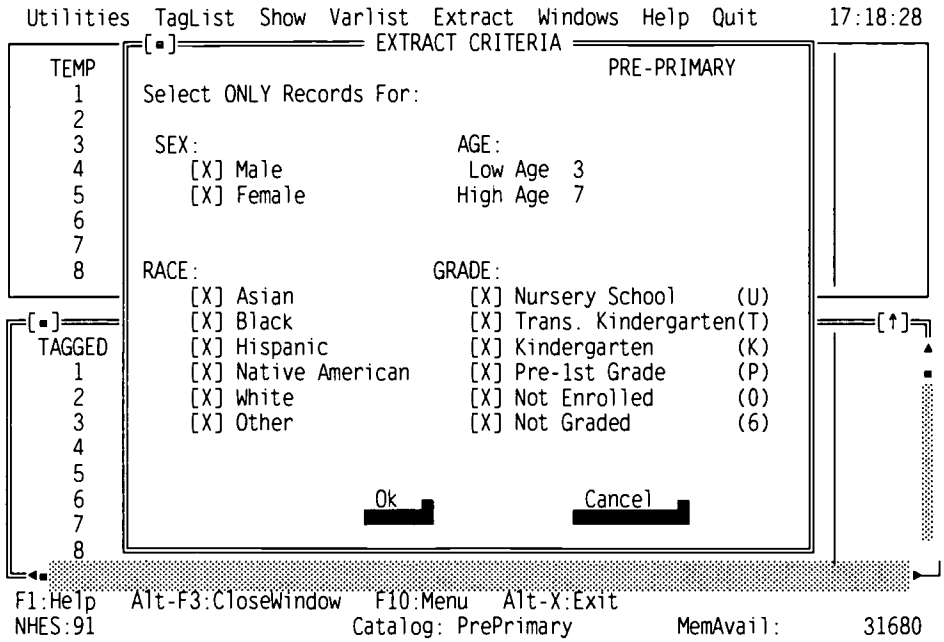


Figure 15. School readiness extract specification dialog window

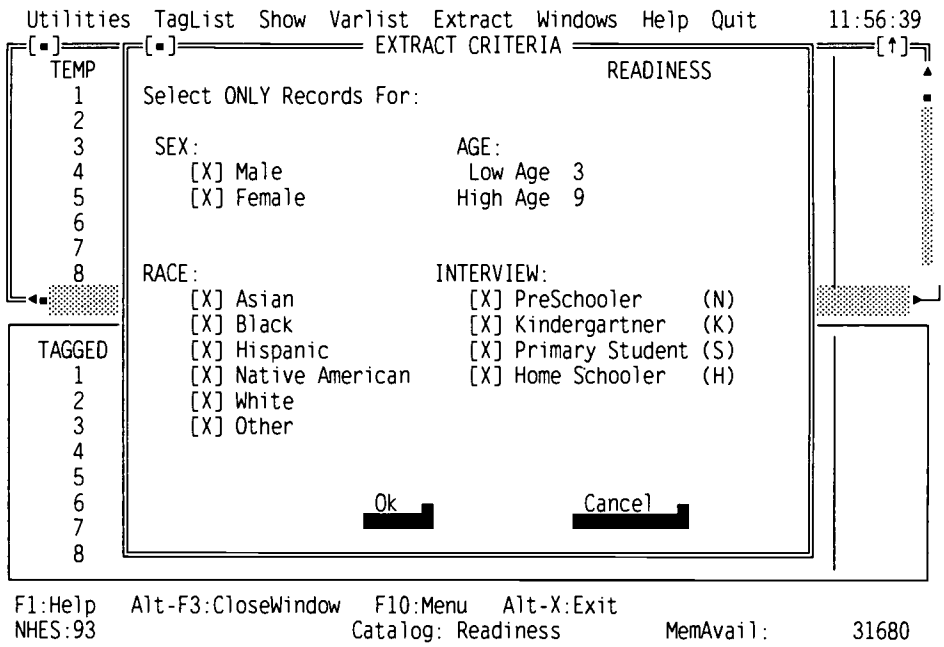


Figure 16.--School safety and discipline (parent) extract specification dialog window

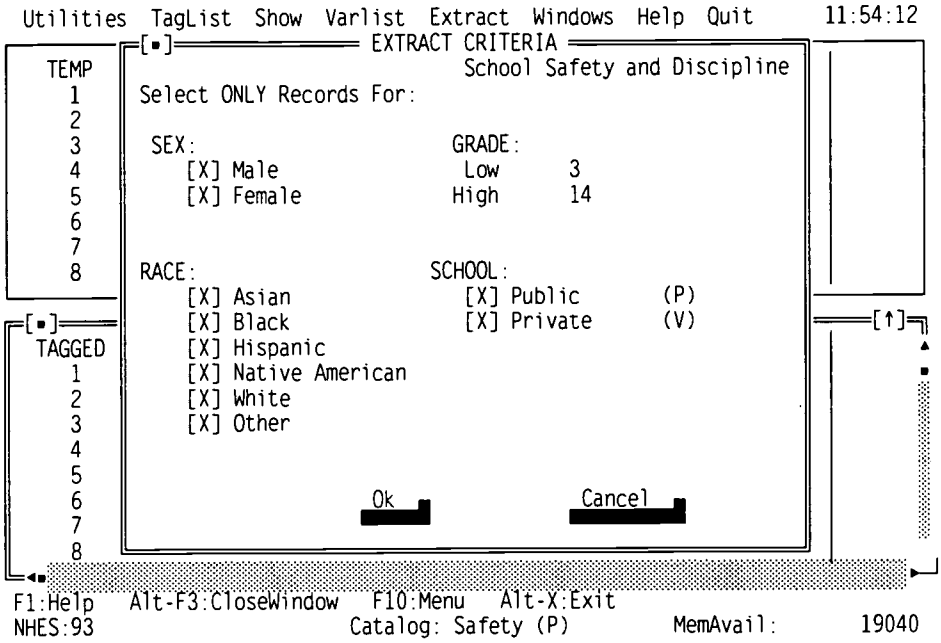


Figure 17.--1995 Adult education extract specification window

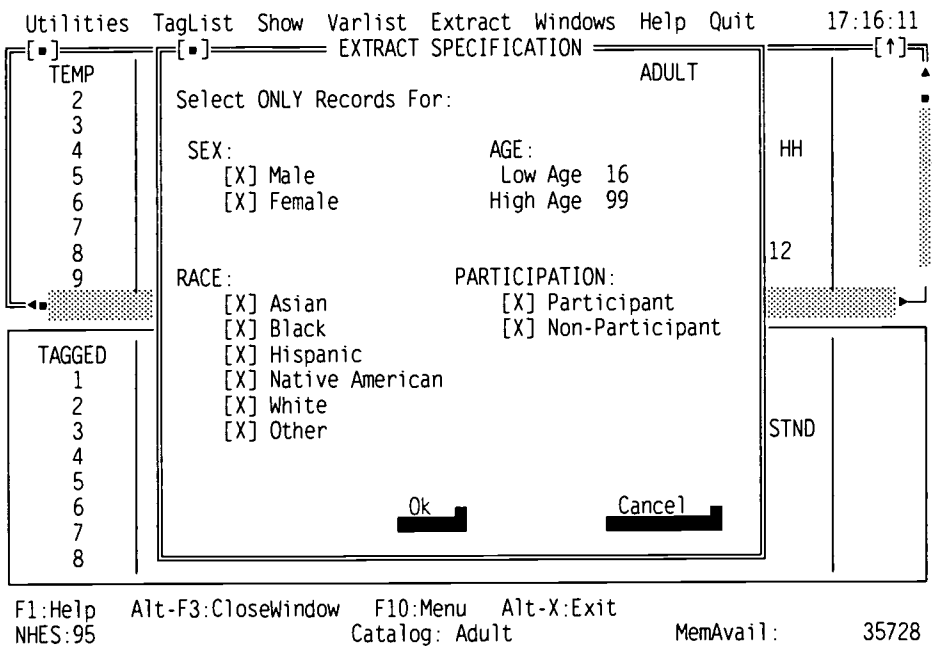
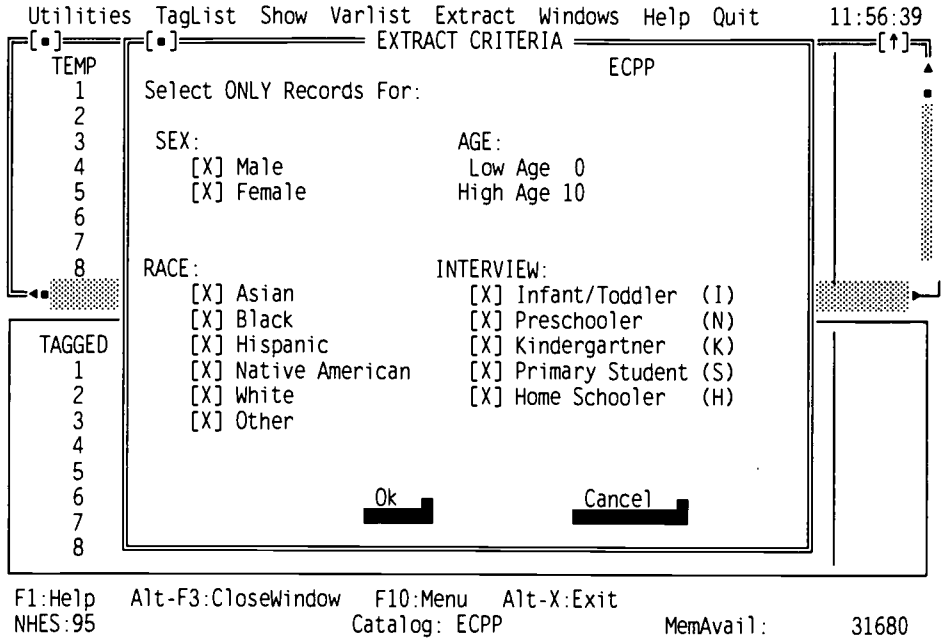


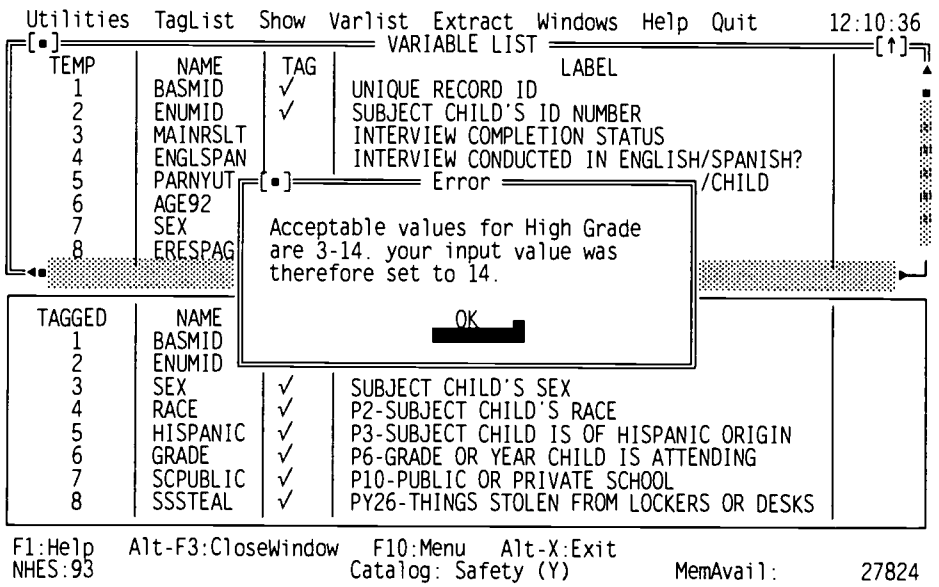
Figure 18.--ECPP extract specification dialog window



default setting for the low and high ages correspond to the age range of children or adults included in the data set. Similarly, for the School Safety and Discipline catalogs (i.e., Youth, Parent, and Combined), the low and high grade levels correspond to the grade range of the sampled children included in the data set.

An error message will be displayed if a user violates the default settings by entering a number outside of the default range. The ages and grades are inclusive. This means, for example, that to select 4-year-olds *only*, you would enter the number 4 into *both* the Low Age and High Age lines. To select respondents under age 21, you would enter a 20 in the High Age line and use the default setting for the Low Age. Figure 19 is an example of an out-of-range data screen.

Figure 19.--An out-of-range data screen



Moving Between Sections: You can move to a different section of the dialog box by pressing the **<Tab>** key. Pressing **<Tab>** again will cycle to the next section. Mouse users can simply click on the setting they wish to change.

Ending Selection: Press **<Enter>** to finish defining the extract population. Mouse users can click on the "**OK**" button.

Writing the Extract Program File

Next, you are asked for the file name you want to give your extract program. Enter up to an 8-character name. The extension .SAS or .SPS will automatically be added. Note that if you enter a name that already exists, the old program will be replaced by your new program without warning. Your program file will be written to your Working Directory (default: C:\ECB\WORK). If you do not want the program file written to the default C:\ECB\WORK directory, there are at least two ways to accommodate this. First, you can change the default to another path, by selecting Setup in the Utilities menu and changing the Working Directory path (see also appendix G, Configuring the ECB Directories). Another option is to type in the exact path when prompted for the filename to assign the extract program.

You will need to quit the ECB Program to run this job, using your own SAS, SPSS for DOS, or SPSS for Windows software. It is recommended that you review the program before running it in the event that you need to customize it. For example, you may want frequencies performed for some variables, to change a file name, etc. If no modifications are made to the program, the extract data file will be created with the default name ("EXTRACT") and a listing of the contents will be output. Code for generating frequencies and means is written in the program but "commented out." Therefore, to obtain this output, you will have to remove the comment symbols. Appendix F shows examples of programs for each software type, indicating some places that users will probably want to edit the program code.

Reviewing the Extract Specifications

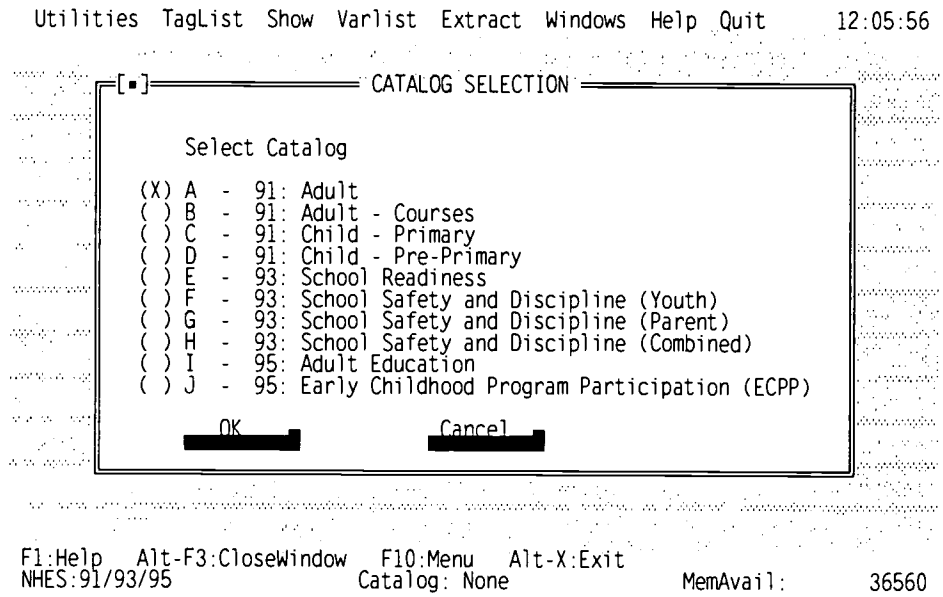
The only type of selection error for which the ECB checks is out-of-range age or grade entries (described above). Therefore, be careful when defining your extract criteria. It is also recommended that you review the SAS or SPSS program code that is written out before running it, so that you can check that any statements subsetting the data are correct. Note that the ECB sometimes outputs superfluous code for selecting cases; this code is consistent with extract specifications, but you may wish to delete it. For example, in the 1995 Adult Education catalog, if you specify in the ECB that both participants and nonparticipants be included in the extract data file, the extract program will be written to select cases for whom AEPARANY=1 OR AEPARANY=0. This code is consistent with the specifications but not necessary because all cases have values of either 1 or 0 for AEPARANY.

If you make a mistake in defining the criteria that is not discovered until after writing out or running the extract program, it is very easy to correct *if you saved your TagList before exiting the ECB program*. Simply restart the ECB and select the appropriate catalog, add the TagList that you saved, define the extract criteria correctly, and write out the extract program again.

Switching Catalogs

After the user has completed work in a catalog, it is possible to access another catalog without quitting the ECB. The user must choose the Utilities menu and select Catalog. A new catalog can then be selected. If all of the windows from the previous catalog have not been closed, a warning message is displayed saying "This will close the current variables and taglists. Do you want to continue?" By pressing "Yes", the user will call up the Catalog Section Dialog Box (figure 20) and can then select a different catalog. Note that if you select "Yes" without first saving your TagList, your TagList will be lost. Pressing "Cancel" will call up the active window in the current catalog.

Figure 20.--Catalog selection dialog window



Quitting the NHES:91/93/95 ECB

The last choice on the Menu Bar is Quit. To quit, choose the Quit menu and press **<Enter>**. Mouse users can click the Yes option of the Quit menu.

Now that you have been introduced to the NHES:91/93/95 ECB program, you may want to review appendix E, Quick Start--Sample ECB Session.

Appendix A: Survey Methodology Documentation

WordPerfect 5.1 documents (.WP5) that detail the NHES:91, NHES:93, and NHES:95 survey methodology are provided on the compact disc. These files are located in the subdirectories for each survey component on the compact disc: 91ADULT, 91CHILD, 93READY, 93SAFETY, 95ADULT, 95ECPP. The CD also contains a subdirectory called 95ECBDOC which contains this document and a subdirectory called 95GUIDE that contains a Guide to Using Data from the National Household Education Survey. The documentation files may be reviewed and printed directly from the CD-ROM or may be copied to another storage device (for example, a hard disk) and then printed. These documents are formatted for a HP LaserJet III or similar laser printer.

The included documentation files and their placement in the NHES User's Manuals are:

NHES:91 Adult Education User's Manual Files (91ADULT)

ADULTTOC.WP5	Table of Contents
ADULT1.WP5	Chapter 1
ADULT2.WP5	Chapter 2
ADULT3.WP5	Chapter 3
ADULT4.WP5	Chapter 4
ADULT5.WP5	Chapter 5
ADULT6.WP5	Chapter 6
ADULT7.WP5	Chapter 7
ADLTQUES.WP5	Screener and Questionnaire
ADULT_B.WP5	Appendix B
ADULT_C.WP5	Appendix C
ADULT_D.WP5	Appendix D
ADULT_E.WP5	Appendix E

NHES:91 Preprimary and Primary User's Manual Files (91CHILD)

CHILDTOC.WP5	Table of Contents
CHILD1.WP5	Chapter 1
CHILD2.WP5	Chapter 2
CHILD3.WP5	Chapter 3
CHILD4.WP5	Chapter 4
CHILD5.WP5	Chapter 5
CHILD6.WP5	Chapter 6
CHILD7.WP5	Chapter 7
CHILQUES.WP5	Screener and Questionnaire
CHILD_B.WP5	Appendix B
CHILD_C.WP5	Appendix C
CHILD_D.WP5	Appendix D
CHILD_E.WP5	Appendix E

NHES:93 School Readiness User's Manual Files (93READY)

SRTOC.WP5	Table of Contents
SR_CH1.WP5	Chapter 1
SR_CH2.WP5	Chapter 2
SR_CH3.WP5	Chapter 3
SR_CH4.WP5	Chapter 4
SR_CH5.WP5	Chapter 5
SR_CH6.WP5	Chapter 6
SR_CH7.WP5	Chapter 7
SRAPN_A.WP5	Screener and Questionnaire
SRAPNDS.WP5	Appendices B through D

NHES:93 School Safety and Discipline User's Manual Files (93SAFETY)

SSTOC.WP5	Table of Contents
SS_CH1.WP5	Chapter 1
SS_CH2.WP5	Chapter 2
SS_CH3.WP5	Chapter 3
SS_CH4.WP5	Chapter 4
SS_CH5.WP5	Chapter 5
SS_CH6.WP5	Chapter 6
SS_CH7.WP5	Chapter 7
SSAPN_A.WP5	Screener and Questionnaire
SSAPNXS.WP5	Appendices B through D

NHES:95 Adult Education User's Manual Files (95ADULT)

AEMANUAL.WP5	Table of Contents and all Chapters
AEQUES.WP5	Screeners and Questionnaire
AEAPPX.WP5	Appendices B, C, E, and F

NHES:95 Early Childhood Program Participation User's Manual Files (95ECPP)

ECPPMANL.WP5	Table of Contents and all Chapters
ECPPQUES.WP5	Screeners and Questionnaire
ECPPAPPX.WP5	Appendices B and C

ECB Documentation (95ECBDOC)

ECBDOC.WP5	Electronic CodeBook User's Guide (this document)

Other Documentation (95GUIDE)

NHESGUID.WP5	A Guide to Using Data from the National Household Education Survey

Appendix B: Directory Listing of the NHES:91/93/95 CD-ROM

The following represents a directory listing of the NHES:91/93/95 CD-ROM.

91ADULT	<DIR>	*Directory containing NHES:91 Adult Education User's Manual*
91CHILD	<DIR>	*Directory containing NHES:91 Early Childhood User's Manual*
93READY	<DIR>	*Directory containing NHES:93 School Readiness User's Manual*
93SAFETY	<DIR>	*Directory containing NHES:93 School Safety and Discipline User's Manual*
95ADULT	<DIR>	*Directory containing NHES:95 Adult Education User's Manual*
95ECBDOC	<DIR>	*Directory containing NHES:95 Electronic CodeBook User's Guide*
95ECPP	<DIR>	*Directory containing NHES:95 Early Childhood Program Participation User's Manual*
95GUIDE	<DIR>	*Directory containing a Guide to Using Data from the National Household Education Survey*
MACPROGS	<DIR>	*Directory containing (ASCII) programs for each data set that will create SPSS for Windows system files containing all variables (e.g., for Macintosh users)*
91ADULT.DAT		*1991 Adult Education data file (flat file)*
95ADULT.DAT		*1995 Adult Education data file (flat file)*
COURSE.DAT		*1991 Adult Education Course data file (flat file)*
ECPP.DAT		*1995 Early Childhood Program Participation data file (flat file)*
GETPCID.EXE*		*Program that checks disk space for installation*
INSTALL.BAT		*ECB Installation program*
NHESECB3.EXE*		*ECB executable program and support files in compressed format*
PREPRIM.DAT		*1991 Preprimary data file (flat file)*
PRIMARY.DAT		*1991 Primary data file (flat file)*
READINES.DAT		*1993 School Readiness data file (flat file)*
SAFETY.DAT		*1993 School Safety and Discipline data file (flat file)*

*These programs are temporarily installed on the C:\ECB directory during installation and subsequently deleted from that directory.

Appendix C: Predefined Taglists

Predefined taglists are provided for each of the NHES:91, NHES:93, and NHES:95 data sets. These taglists contain sets of variables that users may want to include in their analysis. Each predefined taglist is briefly described below, in alphabetical order within catalog. Some taglists are similar in content, but not in specific variables, across catalogs. For example, the home activities items are somewhat different for Preprimary and Primary school children in the NHES:91. Similarly, the household characteristics that are collected may vary from one component or survey year to another. Please be aware that it is possible to print each of these taglists (see the section entitled The Tagged Variables Window, page 13).

NOTE: A required fields taglist (REQFLDS.DB) is provided for every catalog and is automatically included in the TAGGED window. If the user should untag any required variable, it will still automatically be included in the extraction code.

NHES:91 Adult Catalog

HOUSEHC.DB: This taglist contains household characteristics such as income, home ownership, Census region, urbanicity, and the number of persons living in the household.

LABORC.DB: This taglist contains variables associated with the adult's labor force participation status, such as their current employment status and methods used to look for work.

PARTICC.DB: This taglist contains items pertaining to participation in a range of educational activities, such as full- or part-time college degree programs, continuing education courses, basic skills courses, and English as a Second Language (ESL) instruction.

PERSONC.DB: This taglist contains characteristics of the sampled adult, such as gender, age, race, Hispanic origin, marital status, and educational attainment level.

PREVENTC: This taglist contains items concerning factors that may have prevented an adult from taking part in educational activities, such as lack of transportation or child care.

REQFLDS.DB: This taglist contains the adult's identification number, sample weight, age, race, Hispanic origin, sex, and adult education participation status. These variables are permanently tagged for any extract.

WEIGHTC.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:91 Courses Catalog

PERSONC.DB: This taglist contains characteristics of the sampled adult, such as gender, age, race, Hispanic origin, marital status, and educational attainment level.

REQFLDS.DB: This taglist contains the adult's identification number, the course identification number, the sample weight, the adult's age, race, Hispanic origin, and sex. These variables are permanently tagged for any extract.

NHES:91 Primary Catalog

CAREC.DB: This taglist contains variables associated with the child's participation in various types of child care arrangements prior to starting school.

COMMONC.DB: This taglist contains those items that are common to both the Preprimary and Primary catalogs.

DADC.DB: This taglist contains the characteristics of the child's father or male guardian, if he lives in the household. It includes variables such as his educational attainment level and labor force participation status.

HACTVC.DB: This taglist contains items concerning home activities including watching television, visiting a library, playing games or sports, and doing arts or crafts.

HOUSEHC.DB: This taglist contains household characteristics, such as income, home ownership, region, urbanicity, and the number of persons living in the household.

KINDC.DB: This taglist contains items about the child's participation in kindergarten including whether the program was for a full or part day, whether the child's enrollment was delayed and reasons for delayed kindergarten entry.

MOMC.DB: This taglist contains characteristics of the child's mother or female guardian, if she lives in the household. It includes variables such as her age at first becoming a mother, educational attainment level, and labor force participation status.

PERSONC.DB: This taglist contains characteristics of the sampled child, such as age, gender, race, Hispanic origin, and school enrollment status.

REPEATC.DB: This taglist contains items associated with repeating grades in school including variables that identify the actual grades repeated and reasons for repeating grades.

REQFLDS.DB: This taglist contains the child's identification number, sample weight, race, Hispanic origin, gender, age, and grade in school. These variables are permanently tagged for any extract.

SCHOOLC.DB: This taglist contains variables describing the characteristics of the school the child attends and his/her school experiences, including the number of times the child has changed schools, whether the school is public or private, and whether teachers have indicated the child has had behavior or schoolwork problems.

WEIGHTC.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:91 Preprimary Catalog

CAREC.DB: This taglist contains variables associated with the child's participation in various types of child care arrangements.

COMMONC.DB: This taglist contains those items that are common to both the Preprimary and Primary catalogs.

DADC.DB: This taglist contains variables describing the characteristics of the child's father or male guardian, if he lives in the household. It includes variables such as his educational attainment level and labor force participation status.

DAYCARC.DB: This taglist contains variables associated with the child's participation in a day care center, such as the number of days and hours per week the child attends, whether the program attended is for a full or part day, and the number of adults and children in the child's room or group.

HACTVC.DB: This taglist contains items concerning home activities, including reading, watching television, visiting libraries, and playing games or sports.

HOUSEHC.DB: This taglist contains household characteristics, such as income, home ownership, region, urbanicity, and the number of persons living in the household.

KINDERC.DB: This taglist contains items about the child's participation in kindergarten including whether entry into kindergarten was delayed and reasons for delayed entry, whether the kindergarten was public or private, and whether the child has repeated kindergarten and reasons for repeating.

MOMC.DB: This taglist contains variables describing the characteristics of the child's mother or female guardian, if she lives in the household. It includes variables such as her age at first becoming a mother, educational attainment level, and labor force participation status.

PERSONC.DB: This taglist contains characteristics of the sampled child, such as age, gender, race, Hispanic origin, school enrollment status and grade in school, birth weight, and disability status.

PRKNURSC.DB: This taglist contains items related to the child's participation in prekindergarten or nursery school programs including the number of days and hours per week the child attended, whether the program was full or part day, and the number of adults and children in the same room or group.

REQFLDS.DB: This taglist contains the child's identification number, the sample weight, race, Hispanic origin, gender, and age. These variables are permanently tagged for any extract.

WEIGHTC.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:93 School Readiness Catalog

ACTIV.DB: This taglist contains items associated with home activities including reading, watching television, doing arts or crafts, playing games, and doing chores.

ADJUST.DB: This taglist contains items associated with the child's adjustment to school such as whether the child has complained about school and teacher reports of the child's behavior.

CENTERS.DB: This taglist contains items associated with participation in center-based programs including the age at first attendance, the number of days and hours per week the child attended, whether the program was for a full or part day, and the number of adults and children in the same room or group.

DEVELOP.DB: This taglist contains items concerning the developmental accomplishments and difficulties of preschoolers such as the ability to identify letters of the alphabet, to count, to hold a pencil; and whether the child has tantrums, fidgets, or stutters.

HOUSEHC.DB: This taglist contains household characteristics such as income, home ownership, region, and the number of persons living in the household.

KINDER.DB: This taglist contains items associated with kindergarten enrollment including the child's age at kindergarten entry, whether the kindergarten was public or private, whether the program was for a full or part day, and whether the child had repeated kindergarten.

PARENTS.DB: This taglist contains the characteristics of the child's parents who live in the household including their educational attainment level, labor force participation status, and language spoken most at home.

PERSONC.DB: This taglist contains characteristics of the sampled child, such as age, gender, race, and Hispanic origin.

REQFLDS.DB: This taglist contains the child's identification number, the sample weight, interview completion status, age, sex, race, and Hispanic origin. These variables are permanently tagged for any extract.

SCHOOL.DB: This taglist contains items associated with the child's school and school experiences including whether the school was public or private, the child's class standing, whether the child has repeated any grades, and whether the child has received special help with reading or math.

WEIGHTS.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:93 School Safety and Discipline: Parent Catalog, Youth Catalog, Combined Catalog

CHILD.DB: This taglist contains items about the subject youth's experiences at school, including participation in activities, suspension, expulsion, and days of school missed.

DISCIPLN.DB: This taglist contains items pertaining to the youth's perception of the disciplinary environment at school, including consistency and fairness.

ENVIRON.DB: This taglist contains items pertaining to the learning environment in the school, including enjoyment of school and being challenged at school.

HHCHARS.DB: This taglist contains household characteristics such as income, home ownership, region, and the number of persons living in the household.

INCIDNTS.DB: This taglist contains items pertaining to incidents of theft, assault, and other occurrences at school.

PARENTS.DB This taglist contains the characteristics of the youth's parents who live in the household such as their educational attainment level and labor force participation status.

PERSONC.DB: This taglist contains characteristics of the sampled child, such as age, gender, race, Hispanic origin, school enrollment status and grade in school.

REQFLDS.DB: This taglist contains the child's identification number, sex, race, Hispanic origin, grade in school, and sample weight. These variables are permanently tagged for any extract.

SCHOOL.DB: This taglist contains items associated with the youth's school and school experiences including the number of students at the school, the racial composition of the school, and the lowest and highest grade in the school.

STRATEGY.DB: This taglist contains items about strategies used to avoid harm at school such as taking a special route to school, skipping school, and avoiding school events.

SUBSTNCE.DB: This taglist contains items about tobacco, alcohol, and other drugs such as friends' attitudes toward these substances and the availability of these substances.

WEIGHTS.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:95 Adult Education Catalog

ACTYC.DB: This taglist includes variables pertaining to other formal structured courses, such as the number of weeks and hours per week spent in courses, and the total expense of all courses of this type.

CREDC.DB: This taglist includes variables pertaining to credential program courses, such as the number of courses taken and whether courses were employer supported.

HOUSEHC.DB: This taglist includes household characteristics such as income, receipt of public assistance, home ownership, the number of household members, region of the country, and some characteristics of the ZIP Code area in which the household is located.

LABORC.DB: This taglist contains variables describing the adult's employment status, such as the number of employers in the past 12 months, current employment status, and methods of looking for work.

PARTICC.DB: This taglist contains variables describing the participation status of the adult in adult education, including variables indicating participation in each type of adult education, participation in at

least one type of adult education, and participation in at least one type, excluding full-time credential courses.

PERSONC.DB: This taglist contains variables describing the adult's characteristics, such as years of school completed, language spoken at home, marital status, and military service.

REQFLDS.DB: This taglist includes variables required for most analyses, such as the adult's identification number, age, and sex. These variables are permanently tagged for any extract.

WEIGHTS.DB: This taglist contains the final adult weight, replicate weights, PSU, and stratum for variance estimation.

WORKC.DB: This taglist includes variables pertaining to career- or job-related courses, such as the number of weeks and hours per week spent in courses and whether courses were employer supported.

NHES:95 ECPP Catalog

CHLDCARE.DB: This taglist includes variables that describe the child's participation in nonparental care and early childhood programs, including those that indicate participation in relative and nonrelative arrangements, and in Head Start and other center-based programs.

FAMILY.DB: This taglist contains variables to describe the child's family such as the number and type of parents in the household, the number of siblings in the household, and the relationships of all household members to the child.

HOUSEHC.DB: This taglist consists of variables describing household characteristics such as income, receipt of public assistance, home ownership, the number of household members, region of the country, and some characteristics of the ZIP Code area in which the household is located.

KINDER.DB: This taglist includes variables describing the child's experiences in kindergarten including age at kindergarten entry, whether entry was delayed, type of school control, and whether the program was full- or part-day.

PARENTS.DB: This taglist includes characteristics of parents who live in the child's household such as the language first learned or spoken most at home, country of origin, educational attainment, and employment status.

PRIMARY.DB: This taglist contains variables describing the child's experiences in primary school such as the type of school control, type of yearly school schedule, class standing, reported problems with behavior and schoolwork, and grade repetition.

REQFLDS.DB: This taglist includes variables required for most analyses, such as the child's identification number, age, and sex. These variables are permanently tagged for any extract.

WEIGHTS.DB: This taglist includes the final child weight as well as replicate weights, PSU, and stratum for variance estimation.

Appendix D: Menu Descriptions

Utilities Menu

Choice	Function
Setup	Set data directory (.DAT files, usually CD/ROM drive), program directory (ECB program files), and working directory (temporary files and user files, extracts, etc.)
Catalog	Select active Catalog (91:Adult; 91:Adult - Courses; 91:Child - Primary; 91:Child - PrePrimary; 93:School Readiness; 93:School Safety and Discipline (Youth); 93:School Safety and Discipline (Parent); 93:School Safety and Discipline (Combined); 95:Adult Education; and 95:Early Childhood Program Participation (ECPP).

TagList Menu

Choice	Function
Add	Add a predefined TagList to the current TagList in the Tagged Variables Window.
Replace	Replace the current TagList in the Tagged Variables Window with a predefined TagList.
Save	Save the current TagList in the Tagged Variables Window so that it can be retrieved at a later time.
Print	Print the current TagList in the Tagged Variables Window to your local printer.

Show Menu

Choice	Function
Variable List	Show the Variable List Window for the active catalog.
Tagged Variables	Show the Tagged Variables Window for the active catalog.

Varlist Menu

Choice	Function
Expand	Expand the Variable List Window by adding variables whose name or label contains a keyword you specify. Matches are sought in the full variable list for the active catalog and added to the variables in the current Variable List Window.
Narrow	Narrow the Variable List Window to include only those variables that contain a keyword you specify in either the variable name or label. Matches are only sought among variables in the current Variable List Window.
Reset	Reset the Variable List Window so that it contains ALL variables for the active catalog.

Extract Menu

Choice	Function
SAS Code	Generate the SAS program file necessary to extract selected data from the .DAT file (usually on a CD/ROM) into a SAS data set. This menu option allows you to specify an extract population, and an extract file name.
SPSS/DOS Code	Same as SAS above, but creates a SPSS for DOS program file to create a SPSS for DOS data file.
SPSS/Win Code	Same as SAS above, but creates SPSS for Windows program file to create a SPSS for Windows data file.

Window Menu

Choice	Function
Resize/move	Resize the active window or move it to a new location on the screen.
Zoom	If active window is not full size, zooms active window to full size. If active window is full size, resizes window to its previous size.
Next	Makes the least recently active window the active window.
Close	Closes the active window.
Tile	Tiles all windows, so each window gets a small rectangle portion of the screen (a tile).
Cascade	Cascades all windows, laying one on top of the other so that only the edges of the window below are visible. Active window is placed on top.

Help Menu

Choice	Function
Index	Displays an index of topics for which Help is available.
About	Displays information about the ECB program.

Quit Menu

Choice	Function
Yes	Quit the ECB program.
No	Do not quit the ECB program.

Appendix E: Quick Start--Sample ECB Session

This is an example of a typical session an analyst might have using the NHES:91/93/95 ECB. Let's say an analyst wants to create a file of variables associated with kindergarten attendance for black children in primary school in 1991. The actions of the analyst are shown below in italics. It is assumed that the analyst has entered the ECB from the C: drive.

Press **<Enter>** *for the 91: Child-Primary catalog in the Catalog Selection box at Catalog Selection window.*

The Variable List Window and the Tagged Window appear on the screen.

The analyst decides to add the variables from the predefined TagList called KINDC.DB, since it already contains a number of variables associated with kindergarten.

Press **<Alt><T>** *to highlight the TagList menu choice, and* **"A"** *to select the ADD option, or, using a mouse, click on the TagList menu followed by the ADD option.*

A list of existing TagLists in the Primary subdirectory is displayed.

Type KINDC.DB in the box or click on the KINDC.DB item and press **<Enter>**.

By scrolling through the current Tagged Variables Window, it is clear that it now contains all of the previously tagged variables plus those in the KINDC predefined TagList.

To be sure that all needed variables are included, the analyst decides to search for other variables that might be pertinent to kindergarten.

Press **<Alt><V>** *to highlight the VarList menu, or click on it with a mouse. Then select the NARROW option.*

Type the string KINDERG into the box and press **<Enter>**.

The ECB now searches all variable names and labels for the string KINDERG. By looking at the Variable List Window, the analyst sees that there are now only nine variables listed, all associated with kindergarten. Note that the new variable list does not affect the variables that are tagged.

Only one variable in the Variable List Window is not tagged. It is called REPTKIND. The label for this variable contains the KINDERG string that was used in the search. To decide whether or not to tag this variable, the analyst decides to look at the CodeBook for the variable.

Highlight the REPTKIND variable in the Variable List Window.

Double click on the variable or press **<Enter>**.

The item, response categories, and frequencies are displayed. The analyst decides not to tag this variable and closes the CodeBook window.

Press **<Alt>** **<F3>** *or click on the close box.*

The analyst realizes that the search may have been too restrictive and decides to look at other variables that might be needed for the extract file.

Select the VarList menu and then select the EXPAND option.

Type the string KINDER into the box and press **<Enter>**.

Now, the analyst sees one more variable in the Variable List Window. This is the CHNGYES variable that contains the string KINDER in the label. After looking at the CodeBook description of CHNGYES, the analyst decides to tag this variable.

Highlight the CHNGYES variable in the Variable List Window.

Press **T** *or the spacebar to tag the highlighted variable.*

The CHNGYES variable is now tagged, as clearly shown in both the Variable List Window and the Tagged Variables Window.

The analyst decides that this set of variables will compose the extract file. Since this set of variables may be needed in future analyses, the current list of variables in the Tagged Variables Window can be saved to a user-defined file called MYLIST in the Primary subdirectory.

Select the TagList menu and then select the SAVE option.

Type the new name MYLIST into the box and press **<Enter>.**

The final activity is to write the SAS statements to extract the currently tagged variables and extract only black children. As the instructions below indicate, the SAS program statements will be named MYEXAMPL.SAS and saved in a Work subdirectory.

Press **<Alt>** **<E>** *or use the mouse to click on the Extract menu and then select the SAS option. Using a mouse or the spacebar, click on each Race variables until only Black is checked and press* **<Enter>**.

Type the new name MYEXAMPL into the box and press **<Enter>**.

The SAS program statements have now been written and saved. Now, the analyst can quit the ECB and run SAS using the program statements in MYEXAMPL.SAS to extract a subset file from the Primary File on the CD. Any of the SAS statements in the program can be easily revised by the analyst, if changes are desired.

Select the Quit menu and then select the YES option to quit the ECB.

Appendix F: SAS and SPSS Extract Program Examples

This appendix presents examples of SAS, SPSS for DOS, and SPSS for Windows programs that each create a subfile from the NHES:91 Preprimary file. Let's say that an analyst is interested in developing a model that predicts levels of in-home and out-of-home activities that parents do with their 3- to 5-year-old preprimary children, using sociodemographic risk factors as independent variables. In the program shown below, generated by the NHES Electronic CodeBook (ECB), predefined taglists of variables, including home activities, mother's characteristics, father's characteristics, and household characteristics, were included in an extract data file. The analyst can then use these variables to create composite measures of risk and test the models indicated by his/her research hypotheses.

In the programs below, notes have been inserted on the right to explain sections of program code. Code that is underlined indicates code that data users will probably want to (or need to) modify to suit their purposes.

Example 1. SAS Program Example

```
/*
 * C:\ECB\WORK\GUIDE.SAS
 *
 * SAS program to create extract file
 */

PROC FORMAT /* LIBRARY=library */ ;          FORMAT STATEMENTS FOR SELECTED VARIABLES
    VALUE  YESNO
          -1 = 'INAPPLICABLE'
          -7 = 'REFUSED'
          -8 = 'DK'
          -9 = 'NOT ASCERTAINED'
           1 = 'YES'
           2 = 'NO'
;
    VALUE  RACE
          -1 = 'INAPPLICABLE'
          -7 = 'REFUSED'
          -8 = 'DK'
          -9 = 'NOT ASCERTAINED'
           1 = 'WHITE'
           2 = 'BLACK'
           3 = 'NATIVE AMERICAN OR ALASKAN NATIVE'
           4 = 'ASIAN OR PACIFIC ISLANDER'
          91 = 'SOME OTHER RACE'
;
    VALUE  $SEXP
         '-1' = 'INAPPLICABLE'
         '-7' = 'REFUSED'
         '-8' = 'DK'
         '-9' = 'NOT ASCERTAINED'
         'F ' = 'FEMALE'
         'M ' = 'MALE'
;
    VALUE  NUMBERS
          -1 = 'INAPPLICABLE'
          -7 = 'REFUSED'
          -8 = 'DK'
          -9 = 'NOT ASCERTAINED'
           0 = 'BLANKS ALLOWED'
       2 - 15 = 'NUMBER OF PEOPLE'
;
    VALUE  HOMETYPE
          -1 = 'INAPPLICABLE'
          -7 = 'REFUSED'
          -8 = 'DK'
          -9 = 'NOT ASCERTAINED'
           0 = 'BLANKS ALLOWED'
           1 = 'SINGLE FAMILY HOUSE OR TOWNHOUSE'
           2 = 'APARTMENT'
           3 = 'SOME OTHER TYPE OF HOME'
;
```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```
VALUE  OWNHOME
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       0 = 'BLANKS ALLOWED'
       1 = 'OWN YOUR HOME'
       2 = 'RENT YOUR HOME'
       3 = 'HAVE SOME OTHER ARRANGEMENT'
;

VALUE  INCOMRNG
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       0 = 'BLANKS ALLOWED'
       1 = '$5,000 OR LESS'
      10 = 'OVER $75,000'
       2 = '$5,001 TO $10,000'
       3 = '$10,001 TO $15,000'
       4 = '$15,001 TO $20,000'
       5 = '$20,001 TO $25,000'
       6 = '$25,001 TO $30,000'
       7 = '$30,001 TO $40,000'
       8 = '$40,001 TO $50,000'
       9 = '$50,001 TO $75,000'
;

VALUE  FREQUENT
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'NEVER'
       2 = 'SEVERAL TIMES A YEAR'
       3 = 'SEVERAL TIMES A MONTH'
       4 = 'AT LEAST THREE TIMES A WEEK'
       5 = 'EVERY DAY'
;

VALUE  NUMBER
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'NONE'
       2 = '1 OR 2 BOOKS'
       3 = '3 TO 9 BOOKS'
       4 = '10 OR MORE BOOKS'
;

VALUE  TVHOURS
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
  0 - 15 = 'HOURS PER DAY WATCHING TV/VIDEOS'
      95 = 'DO NOT HAVE A TV'
      96 = 'LESS THAN ONE HOUR PER DAY'
;

VALUE  RULEFAM
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'FAMILY RULE'
       2 = 'NOT INTERESTED'
      95 = "DON'T HAVE TELEVISION"
;

VALUE  TIMES
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = '1-2 TIMES'
       2 = '3+ TIMES'
;

VALUE  MOMAGE
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
 16 - 71 = 'MOTHER OR FEMALE GUARDIAN AGE'
;
```

```
VALUE  NEWMOM
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
 12 - 68 = 'AGE WHEN FIRST BECAME MOM'
;
VALUE  LANGUAGE
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'ENGLISH'
       2 = 'SPANISH'
       3 = 'ASIAN LANGUAGE'
      91 = 'OTHER LANGUAGE'
;
VALUE  MOMSPEAK
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'ENGLISH'
       2 = 'SPANISH'
       3 = 'ASIAN LANGUAGE'
       4 = 'OTHER LANGUAGE'
;
VALUE  HIGHGRAD
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'UP TO EIGHTH GRADE'
       2 = 'NINTH TO ELEVENTH GRADE'
       3 = 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
       4 = 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
       5 = '1-2 YEARS OF COLLEGE'
       6 = "ASSOCIATE'S DEGREE"
       7 = '3-4 YEARS OF COLLEGE'
       8 = "BACHELOR'S DEGREE"
       9 = 'GRADUATE OR PROFESSIONAL SCHOOL'
;
VALUE  MOMHRS1X
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
  0 - 99 = 'HOURS WORKED BY PARENT'
;
VALUE  ACTIVITY
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'KEEPING HOUSE/CARING FOR CHILDREN'
       2 = 'GOING TO SCHOOL'
       3 = 'RETIRED'
       4 = 'UNABLE TO WORK'
      91 = 'OTHER (SPECIFY)'
;
VALUE  AGE90X
      -1 = 'INAPPLICABLE'
;
VALUE  $ALLGRAD
     ' ' = 'NA/MISSING'
    '0 ' = 'NOT ENROLLED'
    '1 ' = 'FIRST GRADE/EQUIV'
    '2 ' = 'SECOND GRADE/EQUIV'
    '3 ' = 'THIRD GRADE/EQUIV'
    '4 ' = 'FOURTH GRADE/EQUIV'
    '5 ' = 'FIFTH GRADE/EQUIV'
    '6 ' = 'UNGRADED & NO EQUIV'
    'K ' = 'KINDERGARTEN'
    'N ' = 'NURSERY,PREK, HDST'
    'P ' = 'PRE-FIRST/TRANS 1ST'
    'T ' = 'TRANS KINDERGARTN'
;
```

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```
VALUE  CENSUSDV
      -1 = 'INAPPLICABLE'
       1 = 'NEW ENGLAND'
       2 = 'MIDDLE ATLANTIC'
       3 = 'EAST NORTH CENTRAL'
       4 = 'WEST NORTH CENTRAL'
       5 = 'SOUTH ATLANTIC'
       6 = 'EAST SOUTH CENTRAL'
       7 = 'WEST SOUTH CENTRAL'
       8 = 'MOUNTAIN'
       9 = 'PACIFIC'
;

VALUE  CENSUSRG
      -1 = 'INAPPLICABLE'
       1 = 'NORTHEAST'
       2 = 'MIDWEST'
       3 = 'SOUTH'
       4 = 'WEST'
;

VALUE  DADEMPLD
       . = 'NA/MISSING'
       1 = '=> 35 HRS P/WEEK'
       2 = '< 35 HRS P/WEEK'
       3 = 'HRS N/SPECIFIED'
       4 = 'LOOKING F/WORK'
       5 = 'N/IN LABOR FORCE'
;

VALUE  DADLABOR
       . = 'NA/MISSING'
       1 = 'EMP-IN LBR FORCE'
       2 = 'UNEMP-IN LBR FORCE'
       3 = 'KEEP HOUS/CHILD CARE'
       4 = 'GOING TO SCHOOL'
       5 = 'RETIRED/UNABLE WORK'
       6 = 'OTHER'
;

VALUE  FAMTYPE
       . = 'NA/MISSING'
       1 = '1 PARENT IN HH'
       2 = '2 PARENTS IN HH'
       3 = '3 NO PARENTS IN HH'
;

VALUE  MOMEMPLD
       . = 'NA/MISSING'
       1 = '=> 35 HRS P/WEEK'
       2 = '< 35 HRS P/WEEK'
       3 = 'HRS N/SPECIFIED'
       4 = 'LOOKING F/WORK'
       5 = 'N/IN LABOR FORCE'
;

VALUE  MOMLABOR
       . = 'NA/MISSING'
       1 = 'EMP-IN LBR FORCE'
       2 = 'UNEMP-IN LBR FORCE'
       3 = 'KEEP HOUS/CHILD CARE'
       4 = 'GOING TO SCHOOL'
       5 = 'RETIRED/UNABLE WORK'
       6 = 'OTHER'
;

VALUE  PARGRADE
       . = 'NA/MISSING'
       1 = 'LESS THAN H/S'
       2 = 'H/S GRAD/EQUIVALENT'
       3 = 'VOC/TECH/SOME COLL'
       4 = 'COLLEGE GRADUATE'
       5 = 'GRADUATE/PROF SCHOOL'
       9 = 'NEITHER PARENT IN HH'
;

VALUE  PARNTCOL
       . = 'NA/MISSING'
       1 = 'SINGLE/BOTH <COL'
       2 = '1 <COL, 1 COL DEG'
       3 = 'SINGLE/BOTH COL DEG'
;

VALUE  PARNTHS
       . = 'NA/MISSING'
       1 = 'SINGLE/BOTH <H/S'
       2 = '1 <H/S, 1 H/S DEG'
       3 = 'SINGLE/BOTH H/S DEG'
;
```

```
    VALUE  REGIONED
          -1 = 'INAPPLICABLE'
          -9 = 'NOT ASCERTAINED'
           1 = 'NORTHEAST'
           2 = 'CENTRAL'
           3 = 'SOUTHEAST'
           4 = 'WEST'
;
    VALUE  TEENMOM
           . = 'NA/MISSING'
           1 = '17 OR YOUNGER'
           2 = 'AGE 18 OR 19'
           3 = 'AGE 20 OR OLDER'
;
    VALUE  URBAN
          -1 = 'INAPPLICABLE'
          -9 = 'NOT ASCERTAINED'
           0 = 'NON'
           1 = 'MSA'
           2 = 'NECMA'
     ;
Run;
FILENAME datfile 'D:\PREPRIM.DAT';
LIBNAME  workdir 'C:\ECB\WORK\';

DATA workdir.EXTRACT;
   INFILE datfile LRECL=636  N=2 ;
   INPUT
  #1
      @1      PERSID          $9.
      @10     HISPANIC         2.
      @12     RACE             2.
      @16     GENDER          $2.
      @18     NUMPERS          2.
      @20     HOMETYPE         2.
      @22     OWNHOME          2.
      @24     INCOMRNG         2.
      @386    READTO           2.
      @388    NUMBOOKS         2.
      @390    NEWSPAPR         2.
      @392    TVHOURS          2.
      @394    RULEWHAT         2.
      @396    RULETIME         2.
      @398    RULEHRS          2.
      @400    RULEDAYS         2.
      @402    RULEFAM          2.
      @404    WKREAD           2.
      @406    WKREADN          2.
      @408    WKWORDS          2.
      @410    WKWORDSN         2.
      @412    WKMUSIC          2.
      @414    WKMUSICN         2.
      @416    WKSTORY          2.
      @418    WKSTORYN         2.
      @420    WKSANG           2.
      @422    WKSANGN          2.
      @424    WKCRAFT          2.
      @426    WKCRAFTN         2.
      @428    WKPLAY           2.
      @430    WKPLAYN          2.
      @432    WKEDTV           2.
      @434    WKEDTVN          2.
      @436    LIBRAYMO         2.
      @438    LIBRAYYR         2.
      @440    MOVIEMO          2.
      @442    MOVIEYR          2.
      @444    CONCRTMO         2.
      @446    CONCRTYR         2.
      @448    MUSEUMMO         2.
      @450    MUSEUMYR         2.
      @452    ZOOMO            2.
      @454    ZOOYR            2.
      @456    PARKMO           2.
      @458    PARKYR           2.
      @468    MOMAGE           2.
      @470    NEWMOM           2.
      @472    MOMLANG          2.
      @474    MOMSPEAK         2.
      @476    MOMGRADE         2.
      @478    MOMDIPL          2.
```

CD DRIVE D: IS THE DEFAULT

ASSIGN NAME OF ANALYSIS FILE (DEFAULT IS "EXTRACT")

DATA LOCATION ON RAW DATA FILE

BEST COPY AVAILABLE

```
    @480    MOMWORK          2.
    @482    MOMLEAVE         2.
    @484    MOMHOURS         2.
    @486    MOMLOOK          2.
    @488    MOMPUBL          2.
    @490    MOMPRIV          2.
    @492    MOMEMPL          2.
    @494    MOMREL           2.
    @496    MOMADS           2.
    @498    MOMNOTH          2.
    @500    MOMOTHR          2.
    @502    MOMACTY          2.
    @504    DADGRADE         2.
    @506    DADDIPL          2.
    @508    DADWORK          2.
    @510    DADLEAVE         2.
    @512    DADHOURS         2.
    @514    DADLOOK          2.
    @516    DADPUBL          2.
    @518    DADPRIV          2.
    @520    DADEMPL          2.
    @522    DADREL           2.
    @524    DADADS           2.
    @526    DADNOTH          2.
    @528    DADOTHR          2.
    @530    DADACTY          2.
    @532    AGE90            2.
    @538    ALLGRADE        $2.
    @542    CENSUSDV         2.
    @544    CENSUSRG         2.
    @546    DADEMPLD         2.
    @548    DADLABOR         2.
    @556    FAMTYPE          2.
    @563    MOMEMPLD         2.
    @565    MOMLABOR         2.
    @567    PARGRADE         2.
    @569    PARNTCOL         2.
    @571    PARNTHS          2.
    @583    REGION           2.
    @587    TEENMOM          2.
    @591    URBAN            2.
#2
    @11     EWGT            10.3
    ;
```

LABELS FOR SELECTED VARIABLES

```
LABEL
    PERSID   = "PERS KEY = BASEID || 2-DIGIT PERSNUM"
    HISPANIC = "S5/S10C/S11 HISPANIC ETHNICITY"
    RACE     = "S5/S10B/S11 PERSON'S RACE"
    GENDER   = "S5 PERSON'S GENDER"
    NUMPERS  = "S17 TOTAL NUMBER OF PEOPLE LIVING IN HH"
    HOMETYPE = "S19 TYPE OF HOME"
    OWNHOME  = "S20 OWN HOME"
    INCOMRNG = "S22A TOTAL HOUSEHOLD INCOME - RANGE"
    READTO   = "P19/E36 HOW OFTEN READ TO CHILD"
    NUMBOOKS = "P20/E35 HOW MANY KIDS BOOKS CHILD HAVE"
    NEWSPAPR = "P21/E38 DOES FAMILY GET DAILY NEWSPAPER"
    TVHOURS  = "P22/E40 HOURS PER DAY WATCHING TV/VIDEO"
    RULEWHAT = "P23/E41 ANY RULES ABOUT WHAT PROGRAMS"
    RULETIME = "P23/E41 ANY RULES ABOUT HOW EARLY/LATE"
    RULEHRS  = "P23/E41 ANY RULES ABOUT # HOURS WATCHED"
    RULEDAYS = "E41 P23/E41 ANY RULES AB WEEKDAY TV HOUR"
    RULEFAM  = "P23A FAMILY RULE OR NOT INTERESTED IN TV"
    WKREAD   = "P24/E44 READ TO CHILD IN PAST WEEK"
    WKREADN  = "P24/E44 # TIMES READ TO CHILD IN PAST WK"
    WKWORDS  = "P24 TAUGHT CHILD LETTERS, WORDS, NUMBERS"
    WKWORDSN = "P24 # TIMES TAUGHT LETTERS,WORDS,NUMBERS"
    WKMUSIC  = "P24 TAUGHT CHIL SONGS/MUSIC PAST WEEK"
    WKMUSICN = "P24 # TIMES TAUGHT CHILD SONGS/MUSIC"
    WKSTORY  = "P24 TOLD CHILD A STORY IN PAST WEEK"
    WKSTORYN = "P24 # TIMES TOLD CHILD A STORY"
    WKSANG   = "P24 SANG A SONG WITH CHILD IN PAST WEEK"
    WKSANGN  = "P24 # TIMES SANG SONG WITH CHILD"
    WKCRAFT  = 'P24/E44 ARTS & CRAFTS W/CHILD PAST WEEK'
    WKCRAFTN = 'P24/E44 # TIMES ARTS & CRAFTS W/ CHILD'
    WKPLAY   = "P24/E44 PLAYED GAMES/SPORTS PAST WEEK"
    WKPLAYN  = "P24/E44 # TIMES PLAYED GAMES/SPORTS"
    WKEDTV   = "P24/E44 WATCHED EDUC TV W/CHILD LAST WK"
    WKEDTVN  = "P24/E44 # TIMES WATCHED EDUC TV LAST WK"
    LIBRAYMO = "P25/E45 VISITED LIBRARY IN PAST MONTH"
```

```
      LIBRAYYR = "P25/E45 VISITED LIBRARY IN PAST YEAR"
      MOVIEMO  = "P25/E45 GONE TO A MOVIE IN PAST MONTH"
      MOVIEYR  = "P25/E45 GONE TO A MOVIE IN PAST YEAR"
      CONCRTMO = "P25/E45 TO PLAY/CONCERT/SHOW PAST MONTH"
      CONCRTYR = "P25/E45 TO PLAY/CONCERT/SHOW PAST YEAR"
      MUSEUMMO = "P25/E45 VISITED GALLERY/MUSEUM PAST MNTH"
      MUSEUMYR = "P25/E45 VISITED GALLERY/MUSEUM PAST YEAR"
      ZOOMO    = "P25/E45 VISITED ZOO/AQUARIUM PAST MONTH"
      ZOOYR    = "P25/E45 VISITED ZOO/AQUARIUM PAST YEAR"
      PARKMO   = "P25/E45 VISITED PLAYGROUND/PARK PAST MTH"
      PARKYR   = "P25/E45 VISITED PLAYGROUND/PARK PAST YR"
      MOMAGE   = "C12 CHILDS MOTHERS/FEMALE GUARD'S AGE"
      NEWMOM   = "C13 AGE WHEN FIRST BECAME MOTHER"
      MOMLANG  = "C14 FIRST LANGUAGE SPOKEN BY MOTHER"
      MOMSPEAK = "C15 LANGUAGE SPOKEN MOST BY MOTHER"
      MOMGRADE = "C16 HIGHEST GRADE COMPLETED - MOTHER"
      MOMDIPL  = "C17 MOTHER - HS DIPLOMA BEFORE VOCATION"
      MOMWORK  = "C18 MOTHER WORK FOR PAY LAST WEEK"
      MOMLEAVE = "C19 MOTHER ON LEAVE OR VACATION LAST WK"
      MOMHOURS = "C20 HOURS PER WEEK MOTHER WORKS FOR PAY"
      MOMLOOK  = "C21 MOTHER LOOKING FOR WORK PAST 4 WEEKS"
      MOMPUBL  = "C22 MOTHER-PUBLIC EMPLOYMENT AGENCY"
      MOMPRIV  = "C22 MOTHER-PRIVATE EMPLOYMENT AGENCY"
      MOMEMPL  = "C22 MOTHER-CHECKED W/ EMPLOYER DIRECTLY"
      MOMREL   = "C22 MOTHER-CHECKED W/ FRIENDS/RELATIVES"
      MOMADS   = "C22 MOTHER-PLACED OR ANSWERED ADS"
      MOMNOTH  = "C22 MOTHER-DID NOTHING TO FIND WORK"
      MOMOTHR  = "C22 WHAT HAS MOTHER BEEN DOING IN LAST 4"
      MOMACTY  = "C23 MOTHER'S MAIN ACTIVITY LAST WEEK"
      DADGRADE = "C24 HIGHEST GRADE COMPLETED - FATHER"
      DADDIPL  = "C25 FATHER-HS DIPLOMA BEFORE VOCATION"
      DADWORK  = "C26 FATHER WORK FOR PAY LAST WEEK"
      DADLEAVE = "C27 FATHER ON LEAVE OR VACATION LAST WK"
      DADHOURS = "C28 HOURS PER WEEK FATHER WORKS FOR PAY"
      DADLOOK  = "C29 FATHER LOOKING FOR WORK PAST 4 WEEKS"
      DADPUBL  = "C30 FATHER-PUBLIC EMPLOYMENT AGENCY"
      DADPRIV  = "C30 FATHER-PRIVATE EMPLOYMENT AGENCY"
      DADEMPL  = "C30 FATHER-CHECKED W/ EMPLOYER DIRECTLY"
      DADREL   = "C30 FATHER-CHECKED W/ FRIENDS/RELATIVES"
      DADADS   = "C30 FATHER-PLACED OR ANSWERED ADS"
      DADNOTH  = "C30 FATHER-DID NOTHING TO FIND WORK"
      DADOTHR  = "C30 WHAT HAS DAD BEEN DOING IN LAST 4 WK"
      DADACTY  = "C31 FATHER'S MAIN ACTIVITY LAST WEEK"
      AGE90    = "D: CALCULATED AGE AS OF JAN. 1. 1991(C1)"
      ALLGRADE = "D: CHD'S GRADE IN GRDED AND UNGR SCH"
      CENSUSDV = "CENSUS DIVISION"
      CENSUSRG = "CENSUS REGION"
      DADEMPLD = "D: WORK STATUS OF FATHER/STEPF/M GUAR"
      DADLABOR = "D: FATHER LABOR FORCE PARTICN"
      FAMTYPE  = "D: ONE/TWO/NO PARENT IN HH"
      MOMEMPLD = "D: WORK STATUS OF MOTHER/STEPM/F GUAR"
      MOMLABOR = "D: MOTHER/STEPM/FGUAR LABOR FORCE PARTIC"
      PARGRADE = "D: HIGHEST LEVEL OF PARENTAL EDUCATION"
      PARNTCOL = "D: PARENTS COLLEGE EDUCATION"
      PARNTHS  = "D: PARENTS HIGH SCHOOL EDUCATION"
      REGION   = "DEPARTMENT OF EDUCATION REGION"
      TEENMOM  = "D:  MOM/GUARD: AGE FIRST BECAME MOTHER"
      URBAN    = "URBANICITY"
      EWGT     = "FINAL CHILD WEIGHT"
      ;
```

ASSIGNMENT OF FORMATS

```
FORMAT
      HISPANIC        YESNO.
      RACE             RACE.
      GENDER          $SEXP.
      NUMPERS        NUMPERS.
      HOMETYPE      HOMETYPE.
      OWNHOME        OWNHOME.
      INCOMRNG      INCOMRNG.
      READTO        FREQUENT.
      NUMBOOKS        NUMBER.
      NEWSPAPR        YESNO.
      TVHOURS        TVHOURS.
      RULEWHAT        YESNO.
      RULETIME        YESNO.
      RULEHRS         YESNO.
      RULEDAYS        YESNO.
      RULEFAM        RULEFAM.
      WKREAD          YESNO.
      WKREADN         TIMES.
      WKWORDS         YESNO.
      WKWORDSN        TIMES.
```

```
WKMUSIC          YESNO.
WKMUSICN         TIMES.
WKSTORY          YESNO.
WKSTORYN         TIMES.
WKSANG           YESNO.
WKSANGN          TIMES.
WKCRAFT          YESNO.
WKCRAFTN         TIMES.
WKPLAY           YESNO.
WKPLAYN          TIMES.
WKEDTV           YESNO.
WKEDTVN          TIMES.
LIBRAYMO         YESNO.
LIBRAYYR         YESNO.
MOVIEMO          YESNO.
MOVIEYR          YESNO.
CONCRTMO         YESNO.
CONCRTYR         YESNO.
MUSEUMMO         YESNO.
MUSEUMYR         YESNO.
ZOOMO            YESNO.
ZOOYR            YESNO.
PARKMO           YESNO.
PARKYR           YESNO.
MOMAGE           MOMAGE.
NEWMOM           NEWMOM.
MOMLANG       LANGUAGE.
MOMSPEAK      MOMSPEAK.
MOMGRADE      HIGHGRAD.
MOMDIPL          YESNO.
MOMWORK          YESNO.
MOMLEAVE         YESNO.
MOMHOURS      MOMHRS1X.
MOMLOOK          YESNO.
MOMPUBL          YESNO.
MOMPRIV          YESNO.
MOMEMPL          YESNO.
MOMREL           YESNO.
MOMADS           YESNO.
MOMNOTH          YESNO.
MOMOTHR          YESNO.
MOMACTY       ACTIVITY.
DADGRADE      HIGHGRAD.
DADDIPL          YESNO.
DADWORK          YESNO.
DADLEAVE         YESNO.
DADHOURS      MOMHRS1X.
DADLOOK          YESNO.
DADPUBL          YESNO.
DADPRIV          YESNO.
DADEMPL          YESNO.
DADREL           YESNO.
DADADS           YESNO.
DADNOTH          YESNO.
DADOTHR          YESNO.
DADACTY       ACTIVITY.
AGE90           AGE90X.
ALLGRADE      $ALLGRAD.
CENSUSDV      CENSUSDV.
CENSUSRG      CENSUSRG.
DADEMPLD      DADEMPLD.
DADLABOR      DADLABOR.
FAMTYPE        FAMTYPE.
MOMEMPLD      MOMEMPLD.
MOMLABOR      MOMLABOR.
PARGRADE      PARGRADE.
PARNTCOL      PARNTCOL.
PARNTHS        PARNTHS.
REGION        REGIONED.
TEENMOM        TEENMOM.
URBAN            URBAN.
:

IF ( (AGE90 LE  5) );

RUN;
```

SELECTS 3- TO 5-YEAR-OLDS, AS WAS SPECIFIED IN THE EXTRACT CRITERIA IN THE ECB PROGRAM

CONTENTS OF ANALYSIS FILE
(use same filename as assigned above)

```
PROC CONTENTS
   DATA=workdir.EXTRACT;
RUN;
```

UNWEIGHTED FREQS OF CATEGORICAL VARIABLES
(use same filename as assigned above)
(add WEIGHT statement for weighted frequencies)

```
/* PROC FREQ  DATA=workdir.EXTRACT;

   TABLES
   HISPANIC    RACE        GENDER      HOMETYPE    OWNHOME     INCOMRNG    READTO
   NUMBOOKS    NEWSPAPR    RULEWHAT    RULETIME    RULEHRS     RULEDAYS    RULEFAM
   WKREAD      WKREADN     WKWORDS     WKWORDSN    WKMUSIC     WKMUSICN    WKSTORY
   WKSTORYN    WKSANG      WKSANGN     WKCRAFT     WKCRAFTN    WKPLAY      WKPLAYN
   WKEDTV      WKEDTVN     LIBRAYMO    LIBRAYYR    MOVIEMO     MOVIEYR     CONCRTMO
   CONCRTYR    MUSEUMMO    MUSEUMYR    ZOOMO       ZOOYR       PARKMO      PARKYR
   MOMLANG     MOMSPEAK    MOMGRADE    MOMDIPL     MOMWORK     MOMLEAVE    MOMHOURS
   MOMLOOK     MOMPUBL     MOMPRIV     MOMEMPL     MOMREL      MOMADS      MOMNOTH
   MOMOTHR     MOMACTY     DADGRADE    DADDIPL     DADWORK     DADLEAVE    DADLOOK
   DADPUBL     DADPRIV     DADEMPL     DADREL      DADADS      DADNOTH     DADOTHR
   DADACTY     AGE90       ALLGRADE    CENSUSDV    CENSUSRG    DADEMPLD    DADLABOR    FAMTYPE
   MOMEMPLD    MOMLABOR    PARGRADE    PARNTCOL    PARNTHS     REGION      TEENMOM     URBAN
/MISSING;
 RUN;
*/
```

UNWEIGHTED MEANS OF CONTINUOUS VARIABLES
(use same filename as assigned above)
(add WEIGHT statement for weighted means)

```
/*PROC MEANS  DATA=workdir.EXTRACT;
      VAR
   NUMPERS    TVHOURS    MOMAGE     NEWMOM     DADHOURS   EWGT       ;
 RUN;
*/
```

Example 2. SPSS for DOS Program Example

```
*
* C:\ECB\WORK\GUIDE.SPS
*
* SPSS program to create extract file
*
SET MORE=OFF/SCREEN=OFF.

DATA LIST FILE='D:\PREPRIM.DAT'  FIXED

/  PERSID     1-9         (A)
   HISPANIC   10-11
   RACE       12-13
   GENDER     16-17       (A)
   NUMPERS    18-19
   HOMETYPE   20-21
   OWNHOME    22-23
   INCOMRNG   24-25
   READTO     386-387
   NUMBOOKS   388-389
   NEWSPAPR   390-391
   TVHOURS    392-393
   RULEWHAT   394-395
   RULETIME   396-397
   RULEHRS    398-399
   RULEDAYS   400-401
   RULEFAM    402-403
   WKREAD     404-405
   WKREADN    406-407
   WKWORDS    408-409
   WKWORDSN   410-411
   WKMUSIC    412-413
   WKMUSICN   414-415
   WKSTORY    416-417
   WKSTORYN   418-419
   WKSANG     420-421
   WKSANGN    422-423
   WKCRAFT    424-425
   WKCRAFTN   426-427
   WKPLAY     428-429
   WKPLAYN    430-431
   WKEDTV     432-433
   WKEDTVN    434-435
   LIBRAYMO   436-437
   LIBRAYYR   438-439
   MOVIEMO    440-441
   MOVIEYR    442-443
   CONCRTMO   444-445
   CONCRTYR   446-447
   MUSEUMMO   448-449
   MUSEUMYR   450-451
   ZOOMO      452-453
   ZOOYR      454-455
   PARKMO     456-457
   PARKYR     458-459
   MOMAGE     468-469
   NEWMOM     470-471
   MOMLANG    472-473
   MOMSPEAK   474-475
   MOMGRADE   476-477
   MOMDIPL    478-479
   MOMWORK    480-481
   MOMLEAVE   482-483
   MOMHOURS   484-485
   MOMLOOK    486-487
   MOMPUBL    488-489
   MOMPRIV    490-491
   MOMEMPL    492-493
   MOMREL     494-495
   MOMADS     496-497
   MOMNOTH    498-499
   MOMOTHR    500-501
   MOMACTY    502-503
   DADGRADE   504-505
   DADDIPL    506-507
   DADWORK    508-509
   DADLEAVE   510-511
   DADHOURS   512-513
   DADLOOK    514-515
```

CD DRIVE D: IS THE DEFAULT

DATA LOCATION ON RAW DATA FILE

```
    DADPUBL     516-517
    DADPRIV     518-519
    DADEMPL     520-521
    DADREL      522-523
    DADADS      524-525
    DADNOTH     526-527
    DADOTHR     528-529
    DADACTY     530-531
    AGE90       532-533
    ALLGRADE    538-539     (A)
    CENSUSDV    542-543
    CENSUSRG    544-545
    DADEMPLD    546-547
    DADLABOR    548-549
    FAMTYPE     556-557
    MOMEMPLD    563-564
    MOMLABOR    565-566
    PARGRADE    567-568
    PARNTCOL    569-570
    PARNTHS     571-572
    REGION      583-584
    TEENMOM     587-588
    URBAN       591-592
/   EWGT         11-20
```

LABELS FOR SELECTED VARIABLES

```
VARIABLE LABEL
              PERSID     "PERS KEY = BASEID || 2-DIGIT PERSNUM"
              HISPANIC   "S5/S10C/S11 HISPANIC ETHNICITY"
              RACE       "S5/S10B/S11 PERSON'S RACE"
              GENDER     "S5 PERSON'S GENDER"
              NUMPERS    "S17 TOTAL NUMBER OF PEOPLE LIVING IN HH"
              HOMETYPE   "S19 TYPE OF HOME"
              OWNHOME    "S20 OWN HOME"
              INCOMRNG   "S22A TOTAL HOUSEHOLD INCOME - RANGE"
              READTO     "P19/E36 HOW OFTEN READ TO CHILD"
              NUMBOOKS   "P20/E35 HOW MANY KIDS BOOKS CHILD HAVE"
              NEWSPAPR   "P21/E38 DOES FAMILY GET DAILY NEWSPAPER"
              TVHOURS    "P22/E40 HOURS PER DAY WATCHING TV/VIDEO"
              RULEWHAT   "P23/E41 ANY RULES ABOUT WHAT PROGRAMS"
              RULETIME   "P23/E41 ANY RULES ABOUT HOW EARLY/LATE"
              RULEHRS    "P23/E41 ANY RULES ABOUT # HOURS WATCHED"
              RULEDAYS   "E41 P23/E41 ANY RULES AB WEEKDAY TV HOUR"
              RULEFAM    "P23A FAMILY RULE OR NOT INTERESTED IN TV"
              WKREAD     "P24/E44 READ TO CHILD IN PAST WEEK"
              WKREADN    "P24/E44 # TIMES READ TO CHILD IN PAST WK"
              WKWORDS    "P24 TAUGHT CHILD LETTERS, WORDS, NUMBERS"
              WKWORDSN   "P24 # TIMES TAUGHT LETTERS,WORDS,NUMBERS"
              WKMUSIC    "P24 TAUGHT CHIL SONGS/MUSIC PAST WEEK"
              WKMUSICN   "P24 # TIMES TAUGHT CHILD SONGS/MUSIC"
              WKSTORY    "P24 TOLD CHILD A STORY IN PAST WEEK"
              WKSTORYN   "P24 # TIMES TOLD CHILD A STORY"
              WKSANG     "P24 SANG A SONG WITH CHILD IN PAST WEEK"
              WKSANGN    "P24 # TIMES SANG SONG WITH CHILD"
              WKCRAFT    "P24/E44 ARTS & CRAFTS W/CHILD PAST WEEK"
              WKCRAFTN   "P24/E44 # TIMES ARTS & CRAFTS W/ CHILD"
              WKPLAY     "P24/E44 PLAYED GAMES/SPORTS PAST WEEK"
              WKPLAYN    "P24/E44 # TIMES PLAYED GAMES/SPORTS"
              WKEDTV     "P24/E44 WATCHED EDUC TV W/CHILD LAST WK"
              WKEDTVN    "P24/E44 # TIMES WATCHED EDUC TV LAST WK"
              LIBRAYMO   "P25/E45 VISITED LIBRARY IN PAST MONTH"
              LIBRAYYR   "P25/E45 VISITED LIBRARY IN PAST YEAR"
              MOVIEMO    "P25/E45 GONE TO A MOVIE IN PAST MONTH"
              MOVIEYR    "P25/E45 GONE TO A MOVIE IN PAST YEAR"
              CONCRTMO   "P25/E45 TO PLAY/CONCERT/SHOW PAST MONTH"
              CONCRTYR   "P25/E45 TO PLAY/CONCERT/SHOW PAST YEAR"
              MUSEUMMO   "P25/E45 VISITED GALLERY/MUSEUM PAST MNTH"
              MUSEUMYR   "P25/E45 VISITED GALLERY/MUSEUM PAST YEAR"
              ZOOMO      "P25/E45 VISITED ZOO/AQUARIUM PAST MONTH"
              ZOOYR      "P25/E45 VISITED ZOO/AQUARIUM PAST YEAR"
              PARKMO     "P25/E45 VISITED PLAYGROUND/PARK PAST MTH"
              PARKYR     "P25/E45 VISITED PLAYGROUND/PARK PAST YR"
              MOMAGE     "C12 CHILDS MOTHERS/FEMALE GUARD'S AGE"
              NEWMOM     "C13 AGE WHEN FIRST BECAME MOTHER"
              MOMLANG    "C14 FIRST LANGUAGE SPOKEN BY MOTHER"
              MOMSPEAK   "C15 LANGUAGE SPOKEN MOST BY MOTHER"
              MOMGRADE   "C16 HIGHEST GRADE COMPLETED - MOTHER"
              MOMDIPL    "C17 MOTHER - HS DIPLOMA BEFORE VOCATION"
              MOMWORK    "C18 MOTHER WORK FOR PAY LAST WEEK"
```


BEST COPY AVAILABLE

```
MOMLEAVE   "C19 MOTHER ON LEAVE OR VACATION LAST WK"
MOMHOURS   "C20 HOURS PER WEEK MOTHER WORKS FOR PAY"
MOMLOOK    "C21 MOTHER LOOKING FOR WORK PAST 4 WEEKS"
MOMPUBL    "C22 MOTHER-PUBLIC EMPLOYMENT AGENCY"
MOMPRIV    "C22 MOTHER-PRIVATE EMPLOYMENT AGENCY"
MOMEMPL    "C22 MOTHER-CHECKED W/ EMPLOYER DIRECTLY"
MOMREL     "C22 MOTHER-CHECKED W/ FRIENDS/RELATIVES"
MOMADS     "C22 MOTHER-PLACED OR ANSWERED ADS"
MOMNOTH    "C22 MOTHER-DID NOTHING TO FIND WORK"
MOMOTHR    "C22 WHAT HAS MOTHER BEEN DOING IN LAST 4"
MOMACTY    "C23 MOTHER'S MAIN ACTIVITY LAST WEEK"
DADGRADE   "C24 HIGHEST GRADE COMPLETED - FATHER"
DADDIPL    "C25 FATHER-HS DIPLOMA BEFORE VOCATION"
DADWORK    "C26 FATHER WORK FOR PAY LAST WEEK"
DADLEAVE   "C27 FATHER ON LEAVE OR VACATION LAST WK"
DADHOURS   "C28 HOURS PER WEEK FATHER WORKS FOR PAY"
DADLOOK    "C29 FATHER LOOKING FOR WORK PAST 4 WEEKS"
DADPUBL    "C30 FATHER-PUBLIC EMPLOYMENT AGENCY"
DADPRIV    "C30 FATHER-PRIVATE EMPLOYMENT AGENCY"
DADEMPL    "C30 FATHER-CHECKED W/ EMPLOYER DIRECTLY"
DADREL     "C30 FATHER-CHECKED W/ FRIENDS/RELATIVES"
DADADS     "C30 FATHER-PLACED OR ANSWERED ADS"
DADNOTH    "C30 FATHER-DID NOTHING TO FIND WORK"
DADOTHR    "C30 WHAT HAS DAD BEEN DOING IN LAST 4 WK"
DADACTY    "C31 FATHER'S MAIN ACTIVITY LAST WEEK"
AGE90      "D: CALCULATED AGE AS OF JAN. 1, 1991(C1)"
ALLGRADE   "D: CHD'S GRADE IN GRDED AND UNGR SCH"
CENSUSDV   "CENSUS DIVISION"
CENSUSRG   "CENSUS REGION"
DADEMPLD   "D: WORK STATUS OF FATHER/STEPF/M GUAR"
DADLABOR   "D: FATHER LABOR FORCE PARTICN"
FAMTYPE    "D: ONE/TWO/NO PARENT IN HH"
MOMEMPLD   "D: WORK STATUS OF MOTHER/STEPM/F GUAR"
MOMLABOR   "D: MOTHER/STEPM/FGUAR LABOR FORCE PARTIC"
PARGRADE   "D: HIGHEST LEVEL OF PARENTAL EDUCATION"
PARNTCOL   "D: PARENTS COLLEGE EDUCATION"
PARNTHS    "D: PARENTS HIGH SCHOOL EDUCATION"
REGION     "DEPARTMENT OF EDUCATION REGION"
TEENMOM    "D:  MOM/GUARD: AGE FIRST BECAME MOTHER"
URBAN      "URBANICITY"
EWGT       "FINAL CHILD WEIGHT"
```

ASSIGNMENT OF VALUE LABELS

```
VALUE LABELS
/   HISPANIC
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               1 'YES'
               2 'NO'
/   RACE
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               1 'WHITE'
               2 'BLACK'
               3 'NATIVE AMERICAN OR ALASKAN NATIVE'
               4 'ASIAN OR PACIFIC ISLANDER'
              91 'SOME OTHER RACE'
/   GENDER
            '-1' 'INAPPLICABLE'
            '-7' 'REFUSED'
            '-8' 'DK'
            '-9' 'NOT ASCERTAINED'
            'F ' 'FEMALE'
            'M ' 'MALE'
/   NUMPERS
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               0 'BLANKS ALLOWED'
```

```
/   HOMETYPE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 'SINGLE FAMILY HOUSE OR TOWNHOUSE'
                 2 'APARTMENT'
                 3 'SOME OTHER TYPE OF HOME'
/   OWNHOME
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 'OWN YOUR HOME'
                 2 'RENT YOUR HOME'
                 3 'HAVE SOME OTHER ARRANGEMENT'
/   INCOMRNG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 '$5,000 OR LESS'
                10 'OVER $75,000'
                 2 '$5,001 TO $10,000'
                 3 '$10,001 TO $15,000'
                 4 '$15,001 TO $20,000'
                 5 '$20,001 TO $25,000'
                 6 '$25,001 TO $30,000'
                 7 '$30,001 TO $40,000'
                 8 '$40,001 TO $50,000'
                 9 '$50,001 TO $75,000'
/   READTO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'NEVER'
                 2 'SEVERAL TIMES A YEAR'
                 3 'SEVERAL TIMES A MONTH'
                 4 'AT LEAST THREE TIMES A WEEK'
                 5 'EVERY DAY'
/   NUMBOOKS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'NONE'
                 2 '1 OR 2 BOOKS'
                 3 '3 TO 9 BOOKS'
                 4 '10 OR MORE BOOKS'
/   NEWSPAPR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   TVHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                95 'DO NOT HAVE A TV'
                96 'LESS THAN ONE HOUR PER DAY'
/   RULEWHAT
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULETIME
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/   RULEHRS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULEDAYS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULEFAM
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'FAMILY RULE'
                 2 'NOT INTERESTED'
                95 "DON'T HAVE TELEVISION"
/   WKREAD
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKREADN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKWORDS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKWORDSN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKMUSIC
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKMUSICN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKSTORY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKSTORYN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
```

```
/   WKSANG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKSANGN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKCRAFT
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKCRAFTN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKPLAY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKPLAYN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKEDTV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKEDTVN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   LIBRAYMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   LIBRAYYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOVIEMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

BEST COPY AVAILABLE

```
/   MOVIEYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   CONCRTMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   CONCRTYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MUSEUMMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MUSEUMYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   ZOOMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   ZOOYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   PARKMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   PARKYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMAGE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   NEWMOM
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
```

```
/   MOMLANG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'ENGLISH'
                 2 'SPANISH'
                 3 'ASIAN LANGUAGE'
                91 'OTHER LANGUAGE'
/   MOMSPEAK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'ENGLISH'
                 2 'SPANISH'
                 3 'ASIAN LANGUAGE'
                 4 'OTHER LANGUAGE'
/   MOMGRADE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'UP TO EIGHTH GRADE'
                 2 'NINTH TO ELEVENTH GRADE'
                 3 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
                 4 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
                 5 '1-2 YEARS OF COLLEGE'
                 6 "ASSOCIATE'S DEGREE"
                 7 '3-4 YEARS OF COLLEGE'
                 8 "BACHELOR'S DEGREE"
                 9 'GRADUATE OR PROFESSIONAL SCHOOL'
/   MOMDIPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMWORK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMLEAVE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   MOMLOOK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMPUBL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMPRIV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/   MOMEMPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMREL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMADS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMNOTH
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMOTHR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMACTY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'KEEPING HOUSE/CARING FOR CHILDREN'
                 2 'GOING TO SCHOOL'
                 3 'RETIRED'
                 4 'UNABLE TO WORK'
                91 'OTHER (SPECIFY)'
/   DADGRADE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'UP TO EIGHTH GRADE'
                 2 'NINTH TO ELEVENTH GRADE'
                 3 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
                 4 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
                 5 '1-2 YEARS OF COLLEGE'
                 6 "ASSOCIATE'S DEGREE"
                 7 '3-4 YEARS OF COLLEGE'
                 8 "BACHELOR'S DEGREE"
                 9 'GRADUATE OR PROFESSIONAL SCHOOL'
/   DADDIPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADWORK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADLEAVE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/   DADHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   DADLOOK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADPUBL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADPRIV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADEMPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADREL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADADS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADNOTH
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADOTHR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADACTY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'KEEPING HOUSE/CARING FOR CHILDREN'
                 2 'GOING TO SCHOOL'
                 3 'RETIRED'
                 4 'UNABLE TO WORK'
                91 'OTHER (SPECIFY)'
/   AGE90
                -1 'INAPPLICABLE'
```


BEST COPY AVAILABLE

```
/   ALLGRADE
              '0 ' 'NOT ENROLLED'
              '1 ' 'FIRST GRADE/EQUIV'
              '2 ' 'SECOND GRADE/EQUIV'
              '3 ' 'THIRD GRADE/EQUIV'
              '4 ' 'FOURTH GRADE/EQUIV'
              '5 ' 'FIFTH GRADE/EQUIV'
              '6 ' 'UNGRADED & NO EQUIV'
              'K ' 'KINDERGARTEN'
              'N ' 'NURSERY,PREK, HDST'
              'P ' 'PRE-FIRST/TRANS 1ST'
              'T ' 'TRANS KINDERGARTN'
/   CENSUSDV
               -1 'INAPPLICABLE'
                1 'NEW ENGLAND'
                2 'MIDDLE ATLANTIC'
                3 'EAST NORTH CENTRAL'
                4 'WEST NORTH CENTRAL'
                5 'SOUTH ATLANTIC'
                6 'EAST SOUTH CENTRAL'
                7 'WEST SOUTH CENTRAL'
                8 'MOUNTAIN'
                9 'PACIFIC'
/   CENSUSRG
               -1 'INAPPLICABLE'
                1 'NORTHEAST'
                2 'MIDWEST'
                3 'SOUTH'
                4 'WEST'
/   DADEMPLD
                1 '=> 35 HRS P/WEEK'
                2 '< 35 HRS P/WEEK'
                3 'HRS N/SPECIFIED'
                4 'LOOKING F/WORK'
                5 'N/IN LABOR FORCE'
/   DADLABOR
                1 'EMP-IN LBR FORCE'
                2 'UNEMP-IN LBR FORCE'
                3 'KEEP HOUS/CHILD CARE'
                4 'GOING TO SCHOOL'
                5 'RETIRED/UNABLE WORK'
                6 'OTHER'
/   FAMTYPE
                1 '1 PARENT IN HH'
                2 '2 PARENTS IN HH'
                3 '3 NO PARENTS IN HH'
/   MOMEMPLD
                1 '=> 35 HRS P/WEEK'
                2 '< 35 HRS P/WEEK'
                3 'HRS N/SPECIFIED'
                4 'LOOKING F/WORK'
                5 'N/IN LABOR FORCE'
/   MOMLABOR
                1 'EMP-IN LBR FORCE'
                2 'UNEMP-IN LBR FORCE'
                3 'KEEP HOUS/CHILD CARE'
                4 'GOING TO SCHOOL'
                5 'RETIRED/UNABLE WORK'
                6 'OTHER'
/   PARGRADE
                1 'LESS THAN H/S'
                2 'H/S GRAD/EQUIVALENT'
                3 'VOC/TECH/SOME COLL'
                4 'COLLEGE GRADUATE'
                5 'GRADUATE/PROF SCHOOL'
                9 'NEITHER PARENT IN HH'
/   PARNTCOL
                1 'SINGLE/BOTH <COL'
                2 '1 <COL, 1 COL DEG'
                3 'SINGLE/BOTH COL DEG'
/   PARNTHS
                1 'SINGLE/BOTH <H/S'
                2 '1 <H/S, 1 H/S DEG'
                3 'SINGLE/BOTH H/S DEG'
/   REGION
               -1 'INAPPLICABLE'
               -9 'NOT ASCERTAINED'
                1 'NORTHEAST'
                2 'CENTRAL'
                3 'SOUTHEAST'
                4 'WEST'
```

```
/   TEENMOM
                1 '17 OR YOUNGER'
                2 'AGE 18 OR 19'
                3 'AGE 20 OR OLDER'
/   URBAN
               -1 'INAPPLICABLE'
               -9 'NOT ASCERTAINED'
                0 'NON'
                1 'MSA'
                2 'NECMA'

SELECT IF ( (AGE90 LE  5) ).
```

SELECTS 3- TO 5-YEAR OLDS, AS WAS SPECIFIED IN THE EXTRACT CRITERIA IN THE ECB PROGRAM

```
SAVE OUTFILE='C:\ECB\WORK\EXTRACT.SYS'.
```

ASSIGN NAME OF ANALYSIS FILE (DEFAULT IS "EXTRACT")

```
DISPLAY ALL.
```

CONTENTS OF ANALYSIS FILE

```
* Frequencies /VARIABLES=
```

UNWEIGHTED FREQS OF CATEGORICAL VARIABLES
(insert the WEIGHT command above for weighted frequencies)

```
     HISPANIC      RACE    GENDER  HOMETYPE   OWNHOME  INCOMRNG    READTO
     NUMBOOKS  NEWSPAPR  RULEWHAT  RULETIME   RULEHRS  RULEDAYS   RULEFAM
       WKREAD   WKREADN   WKWORDS  WKWORDSN   WKMUSIC  WKMUSICN   WKSTORY
     WKSTORYN    WKSANG   WKSANGN   WKCRAFT  WKCRAFTN    WKPLAY   WKPLAYN
       WKEDTV   WKEDTVN  LIBRAYMO  LIBRAYYR   MOVIEMO   MOVIEYR  CONCRTMO
     CONCRTYR  MUSEUMMO  MUSEUMYR     ZOOMO     ZOOYR    PARKMO    PARKYR
      MOMLANG  MOMSPEAK  MOMGRADE   MOMDIPL   MOMWORK  MOMLEAVE  MOMHOURS
      MOMLOOK   MOMPUBL   MOMPRIV   MOMEMPL    MOMREL    MOMADS   MOMNOTH
      MOMOTHR   MOMACTY  DADGRADE   DADDIPL   DADWORK  DADLEAVE   DADLOOK
      DADPUBL   DADPRIV   DADEMPL    DADREL    DADADS   DADNOTH   DADOTHR
      DADACTY     AGE90  ALLGRADE  CENSUSDV  CENSUSRG  DADEMPLD  DADLABOR
      FAMTYPE  MOMEMPLD  MOMLABOR  PARGRADE  PARNTCOL   PARNTHS    REGION
      TEENMOM     URBAN
/MISSING=INCLUDE.
```

```
* Descriptives   VARIABLES=
```

UNWEIGHTED DESCRIPTIVE STATISTICS OF CONTINUOUS VARIABLES
(insert the WEIGHT command above for weighted estimates)

```
     NUMPERS   TVHOURS    MOMAGE    NEWMOM  DADHOURS      EWGT.
FINISH.
```

Example 3. SPSS for Windows Program Example

```
*
* C:\ECB\WORK\GUIDE.SPS
*
* SPSS program to create extract file
*

SET MORE=OFF/SCREEN=OFF.

DATA LIST FILE='D:\PREPRIM.DAT'  FIXED RECORDS= 2 TABLE
/1
   PERSID     1-9         (A)
   HISPANIC   10-11
   RACE       12-13
   GENDER     16-17       (A)
   NUMPERS    18-19
   HOMETYPE   20-21
   OWNHOME    22-23
   INCOMRNG   24-25
   READTO     386-387
   NUMBOOKS   388-389
   NEWSPAPR   390-391
   TVHOURS    392-393
   RULEWHAT   394-395
   RULETIME   396-397
   RULEHRS    398-399
   RULEDAYS   400-401
   RULEFAM    402-403
   WKREAD     404-405
   WKREADN    406-407
   WKWORDS    408-409
   WKWORDSN   410-411
   WKMUSIC    412-413
   WKMUSICN   414-415
   WKSTORY    416-417
   WKSTORYN   418-419
   WKSANG     420-421
   WKSANGN    422-423
   WKCRAFT    424-425
   WKCRAFTN   426-427
   WKPLAY     428-429
   WKPLAYN    430-431
   WKEDTV     432-433
   WKEDTVN    434-435
   LIBRAYMO   436-437
   LIBRAYYR   438-439
   MOVIEMO    440-441
   MOVIEYR    442-443
   CONCRTMO   444-445
   CONCRTYR   446-447
   MUSEUMMO   448-449
   MUSEUMYR   450-451
   ZOOMO      452-453
   ZOOYR      454-455
   PARKMO     456-457
   PARKYR     458-459
   MOMAGE     468-469
   NEWMOM     470-471
   MOMLANG    472-473
   MOMSPEAK   474-475
   MOMGRADE   476-477
   MOMDIPL    478-479
   MOMWORK    480-481
   MOMLEAVE   482-483
   MOMHOURS   484-485
   MOMLOOK    486-487
   MOMPUBL    488-489
   MOMPRIV    490-491
   MOMEMPL    492-493
   MOMREL     494-495
   MOMADS     496-497
   MOMNOTH    498-499
   MOMOTHR    500-501
   MOMACTY    502-503
   DADGRADE   504-505
   DADDIPL    506-507
   DADWORK    508-509
   DADLEAVE   510-511
```

CD DRIVE D: IS THE DEFAULT DATA LOCATION ON RAW DATA FILE

```
   DADHOURS   512-513
   DADLOOK    514-515
   DADPUBL    516-517
   DADPRIV    518-519
   DADEMPL    520-521
   DADREL     522-523
   DADADS     524-525
   DADNDTH    526-527
   DADDTHR    528-529
   DADACTY    530-531
   AGE90      532-533
   ALLGRADE   538-539     (A)
   CENSUSDV   542-543
   CENSUSRG   544-545
   DADEMPLD   546-547
   DADLABOR   548-549
   FAMTYPE    556-557
   MOMEMPLD   563-564
   MOMLABOR   565-566
   PARGRADE   567-568
   PARNTCOL   569-570
   PARNTHS    571-572
   REGION     583-584
   TEENMOM    587-588
   URBAN      591-592
/2
   EWGT       11-20
```

LABELS FOR SELECTED VARIABLES

```
VARIABLE LABEL

   PERSID     "PERS KEY = BASEID || 2-DIGIT PERSNUM"
   HISPANIC   "S5/S10C/S11 HISPANIC ETHNICITY"
   RACE       "S5/S10B/S11 PERSON'S RACE"
   GENDER     "S5 PERSON'S GENDER"
   NUMPERS    "S17 TOTAL NUMBER OF PEOPLE LIVING IN HH"
   HOMETYPE   "S19 TYPE OF HOME"
   OWNHOME    "S20 OWN HOME"
   INCOMRNG   "S22A TOTAL HOUSEHOLD INCOME - RANGE"
   READTO     "P19/E36 HOW OFTEN READ TO CHILD"
   NUMBOOKS   "P20/E35 HOW MANY KIDS BOOKS CHILD HAVE"
   NEWSPAPR   "P21/E38 DOES FAMILY GET DAILY NEWSPAPER"
   TVHOURS    "P22/E40 HOURS PER DAY WATCHING TV/VIDEO"
   RULEWHAT   "P23/E41 ANY RULES ABOUT WHAT PROGRAMS"
   RULETIME   "P23/E41 ANY RULES ABOUT HOW EARLY/LATE"
   RULEHRS    "P23/E41 ANY RULES ABOUT # HOURS WATCHED"
   RULEDAYS   "E41 P23/E41 ANY RULES AB WEEKDAY TV HOUR"
   RULEFAM    "P23A FAMILY RULE OR NOT INTERESTED IN TV"
   WKREAD     "P24/E44 READ TO CHILD IN PAST WEEK"
   WKREADN    "P24/E44 # TIMES READ TO CHILD IN PAST WK"
   WKWORDS    "P24 TAUGHT CHILD LETTERS, WORDS, NUMBERS"
   WKWORDSN   "P24 # TIMES TAUGHT LETTERS,WORDS,NUMBERS"
   WKMUSIC    "P24 TAUGHT CHIL SONGS/MUSIC PAST WEEK"
   WKMUSICN   "P24 # TIMES TAUGHT CHILD SONGS/MUSIC"
   WKSTORY    "P24 TOLD CHILD A STORY IN PAST WEEK"
   WKSTORYN   "P24 # TIMES TOLD CHILD A STORY"
   WKSANG     "P24 SANG A SONG WITH CHILD IN PAST WEEK"
   WKSANGN    "P24 # TIMES SANG SONG WITH CHILD"
   WKCRAFT    "P24/E44 ARTS & CRAFTS W/CHILD PAST WEEK"
   WKCRAFTN   "P24/E44 # TIMES ARTS & CRAFTS W/ CHILD"
   WKPLAY     "P24/E44 PLAYED GAMES/SPORTS PAST WEEK"
   WKPLAYN    "P24/E44 # TIMES PLAYED GAMES/SPORTS"
   WKEDTV     "P24/E44 WATCHED EDUC TV W/CHILD LAST WK"
   WKEDTVN    "P24/E44 # TIMES WATCHED EDUC TV LAST WK"
   LIBRAYMO   "P25/E45 VISITED LIBRARY IN PAST MONTH"
   LIBRAYYR   "P25/E45 VISITED LIBRARY IN PAST YEAR"
   MOVIEMO    "P25/E45 GONE TO A MOVIE IN PAST MONTH"
   MOVIEYR    "P25/E45 GONE TO A MOVIE IN PAST YEAR"
   CONCRTMO   "P25/E45 TO PLAY/CONCERT/SHOW PAST MONTH"
   CONCRTYR   "P25/E45 TO PLAY/CONCERT/SHOW PAST YEAR"
   MUSEUMMO   "P25/E45 VISITED GALLERY/MUSEUM PAST MNTH"
   MUSEUMYR   "P25/E45 VISITED GALLERY/MUSEUM PAST YEAR"
   ZOOMO      "P25/E45 VISITED ZOO/AQUARIUM PAST MONTH"
   ZOOYR      "P25/E45 VISITED ZOO/AQUARIUM PAST YEAR"
   PARKMO     "P25/E45 VISITED PLAYGROUND/PARK PAST MTH"
   PARKYR     "P25/E45 VISITED PLAYGROUND/PARK PAST YR"
   MOMAGE     "C12 CHILDS MOTHERS/FEMALE GUARD'S AGE"
   NEWMOM     "C13 AGE WHEN FIRST BECAME MOTHER"
   MOMLANG    "C14 FIRST LANGUAGE SPOKEN BY MOTHER"
   MOMSPEAK   "C15 LANGUAGE SPOKEN MOST BY MOTHER"
   MOMGRADE   "C16 HIGHEST GRADE COMPLETED - MOTHER"
```


BEST COPY AVAILABLE

```
MOMDIPL    "C17 MOTHER - HS DIPLOMA BEFORE VOCATION"
MOMWORK    "C18 MOTHER WORK FOR PAY LAST WEEK"
MOMLEAVE   "C19 MOTHER ON LEAVE OR VACATION LAST WK"
MOMHOURS   "C20 HOURS PER WEEK MOTHER WORKS FOR PAY"
MOMLOOK    "C21 MOTHER LOOKING FOR WORK PAST 4 WEEKS"
MOMPUBL    "C22 MOTHER-PUBLIC EMPLOYMENT AGENCY"
MOMPRIV    "C22 MOTHER-PRIVATE EMPLOYMENT AGENCY"
MOMEMPL    "C22 MOTHER-CHECKED W/ EMPLOYER DIRECTLY"
MOMREL     "C22 MOTHER-CHECKED W/ FRIENDS/RELATIVES"
MOMADS     "C22 MOTHER-PLACED OR ANSWERED ADS"
MOMNOTH    "C22 MOTHER-DID NOTHING TO FIND WORK"
MOMOTHR    "C22 WHAT HAS MOTHER BEEN DOING IN LAST 4"
MOMACTY    "C23 MOTHER'S MAIN ACTIVITY LAST WEEK"
DADGRADE   "C24 HIGHEST GRADE COMPLETED - FATHER"
DADDIPL    "C25 FATHER-HS DIPLOMA BEFORE VOCATION"
DADWORK    "C26 FATHER WORK FOR PAY LAST WEEK"
DADLEAVE   "C27 FATHER ON LEAVE OR VACATION LAST WK"
DADHOURS   "C28 HOURS PER WEEK FATHER WORKS FOR PAY"
DADLOOK    "C29 FATHER LOOKING FOR WORK PAST 4 WEEKS"
DADPUBL    "C30 FATHER-PUBLIC EMPLOYMENT AGENCY"
DADPRIV    "C30 FATHER-PRIVATE EMPLOYMENT AGENCY"
DADEMPL    "C30 FATHER-CHECKED W/ EMPLOYER DIRECTLY"
DADREL     "C30 FATHER-CHECKED W/ FRIENDS/RELATIVES"
DADADS     "C30 FATHER-PLACED OR ANSWERED ADS"
DADNOTH    "C30 FATHER-DID NOTHING TO FIND WORK"
DADOTHR    "C30 WHAT HAS DAD BEEN DOING IN LAST 4 WK"
DADACTY    "C31 FATHER'S MAIN ACTIVITY LAST WEEK"
AGE90      "D: CALCULATED AGE AS OF JAN. 1, 1991(C1)"
ALLGRADE   "D: CHD'S GRADE IN GRDED AND UNGR SCH"
CENSUSDV   "CENSUS DIVISION"
CENSUSRG   "CENSUS REGION"
DADEMPLD   "D: WORK STATUS OF FATHER/STEPF/M GUAR"
DADLABOR   "D: FATHER LABOR FORCE PARTICN"
FAMTYPE    "D: ONE/TWO/NO PARENT IN HH"
MOMEMPLD   "D: WORK STATUS OF MOTHER/STEPM/F GUAR"
MOMLABOR   "D: MOTHER/STEPM/FGUAR LABOR FORCE PARTIC"
PARGRADE   "D: HIGHEST LEVEL OF PARENTAL EDUCATION"
PARNTCOL   "D: PARENTS COLLEGE EDUCATION"
PARNTHS    "D: PARENTS HIGH SCHOOL EDUCATION"
REGION     "DEPARTMENT OF EDUCATION REGION"
TEENMOM    "D:  MOM/GUARD: AGE FIRST BECAME MOTHER"
URBAN      "URBANICITY"
EWGT       "FINAL CHILD WEIGHT"
```

ASSIGNMENT OF VALUE LABELS

```
VALUE LABELS
/   HISPANIC
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               1 'YES'
               2 'NO'
/   RACE
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               1 'WHITE'
               2 'BLACK'
               3 'NATIVE AMERICAN OR ALASKAN NATIVE'
               4 'ASIAN OR PACIFIC ISLANDER'
              91 'SOME OTHER RACE'
/   GENDER
            '-1' 'INAPPLICABLE'
            '-7' 'REFUSED'
            '-8' 'DK'
            '-9' 'NOT ASCERTAINED'
            'F ' 'FEMALE'
            'M ' 'MALE'
/   NUMPERS
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               0 'BLANKS ALLOWED'
```

```
/   HOMETYPE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 'SINGLE FAMILY HOUSE OR TOWNHOUSE'
                 2 'APARTMENT'
                 3 'SOME OTHER TYPE OF HOME'
/   OWNHOME
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 'OWN YOUR HOME'
                 2 'RENT YOUR HOME'
                 3 'HAVE SOME OTHER ARRANGEMENT'
/   INCOMRNG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 '$5,000 OR LESS'
                10 'OVER $75,000'
                 2 '$5,001 TO $10,000'
                 3 '$10,001 TO $15,000'
                 4 '$15,001 TO $20,000'
                 5 '$20,001 TO $25,000'
                 6 '$25,001 TO $30,000'
                 7 '$30,001 TO $40,000'
                 8 '$40,001 TO $50,000'
                 9 '$50,001 TO $75,000'
/   READTO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'NEVER'
                 2 'SEVERAL TIMES A YEAR'
                 3 'SEVERAL TIMES A MONTH'
                 4 'AT LEAST THREE TIMES A WEEK'
                 5 'EVERY DAY'
/   NUMBOOKS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'NONE'
                 2 '1 OR 2 BOOKS'
                 3 '3 TO 9 BOOKS'
                 4 '10 OR MORE BOOKS'
/   NEWSPAPR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   TVHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                95 'DO NOT HAVE A TV'
                96 'LESS THAN ONE HOUR PER DAY'
/   RULEWHAT
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULETIME
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

BEST COPY AVAILABLE

```
/   RULEHRS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULEDAYS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULEFAM
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'FAMILY RULE'
                 2 'NOT INTERESTED'
                95 "DON'T HAVE TELEVISION"
/   WKREAD
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKREADN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKWORDS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKWORDSN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKMUSIC
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKMUSICN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKSTORY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKSTORYN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
```

```
/   WKSANG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKSANGN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKCRAFT
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKCRAFTN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKPLAY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKPLAYN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKEDTV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKEDTVN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   LIBRAYMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   LIBRAYYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOVIEMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/   MOVIEYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   CONCRTMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   CONCRTYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MUSEUMMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MUSEUMYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   ZOOMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   ZOOYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   PARKMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   PARKYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMAGE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   NEWMOM
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
```

```
/   MOMLANG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'ENGLISH'
                 2 'SPANISH'
                 3 'ASIAN LANGUAGE'
                91 'OTHER LANGUAGE'
/   MOMSPEAK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'ENGLISH'
                 2 'SPANISH'
                 3 'ASIAN LANGUAGE'
                 4 'OTHER LANGUAGE'
/   MOMGRADE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'UP TO EIGHTH GRADE'
                 2 'NINTH TO ELEVENTH GRADE'
                 3 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
                 4 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
                 5 '1-2 YEARS OF COLLEGE'
                 6 "ASSOCIATE'S DEGREE"
                 7 '3-4 YEARS OF COLLEGE'
                 8 "BACHELOR'S DEGREE"
                 9 'GRADUATE OR PROFESSIONAL SCHOOL'
/   MOMDIPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMWORK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMLEAVE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   MOMLOOK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMPUBL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMPRIV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

BEST COPY AVAILABLE

```
/   MOMEMPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMREL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMADS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMNOTH
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMOTHR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMACTY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'KEEPING HOUSE/CARING FOR CHILDREN'
                 2 'GOING TO SCHOOL'
                 3 'RETIRED'
                 4 'UNABLE TO WORK'
                91 'OTHER (SPECIFY)'
/   DADGRADE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'UP TO EIGHTH GRADE'
                 2 'NINTH TO ELEVENTH GRADE'
                 3 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
                 4 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
                 5 '1-2 YEARS OF COLLEGE'
                 6 "ASSOCIATE'S DEGREE"
                 7 '3-4 YEARS OF COLLEGE'
                 8 "BACHELOR'S DEGREE"
                 9 'GRADUATE OR PROFESSIONAL SCHOOL'
/   DADDIPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADWORK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADLEAVE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

/ DADHOURS
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
/ DADLOOK
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
1 'YES'
2 'NO'
/ DADPUBL
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
1 'YES'
2 'NO'
/ DADPRIV
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
1 'YES'
2 'NO'
/ DADEMPL
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
1 'YES'
2 'NO'
/ DADREL
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
1 'YES'
2 'NO'
/ DADADS
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
1 'YES'
2 'NO'
/ DADNOTH
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
1 'YES'
2 'NO'
/ DADOTHR
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
1 'YES'
2 'NO'
/ DADACTY
-1 'INAPPLICABLE'
-7 'REFUSED'
-8 'DK'
-9 'NOT ASCERTAINED'
1 'KEEPING HOUSE/CARING FOR CHILDREN'
2 'GOING TO SCHOOL'
3 'RETIRED'
4 'UNABLE TO WORK'
91 'OTHER (SPECIFY)'
/ AGE90
-1 'INAPPLICABLE'

```
/   ALLGRADE
                '0 ' 'NOT ENROLLED'
                '1 ' 'FIRST GRADE/EQUIV'
                '2 ' 'SECOND GRADE/EQUIV'
                '3 ' 'THIRD GRADE/EQUIV'
                '4 ' 'FOURTH GRADE/EQUIV'
                '5 ' 'FIFTH GRADE/EQUIV'
                '6 ' 'UNGRADED & NO EQUIV'
                'K ' 'KINDERGARTEN'
                'N ' 'NURSERY,PREK, HDST'
                'P ' 'PRE-FIRST/TRANS 1ST'
                'T ' 'TRANS KINDERGARTN'
/   CENSUSDV
                 -1 'INAPPLICABLE'
                  1 'NEW ENGLAND'
                  2 'MIDDLE ATLANTIC'
                  3 'EAST NORTH CENTRAL'
                  4 'WEST NORTH CENTRAL'
                  5 'SOUTH ATLANTIC'
                  6 'EAST SOUTH CENTRAL'
                  7 'WEST SOUTH CENTRAL'
                  8 'MOUNTAIN'
                  9 'PACIFIC'
/   CENSUSRG
                 -1 'INAPPLICABLE'
                  1 'NORTHEAST'
                  2 'MIDWEST'
                  3 'SOUTH'
                  4 'WEST'
/   DADEMPLD
                  1 '=> 35 HRS P/WEEK'
                  2 '< 35 HRS P/WEEK'
                  3 'HRS N/SPECIFIED'
                  4 'LOOKING F/WORK'
                  5 'N/IN LABOR FORCE'
/   DADLABOR
                  1 'EMP-IN LBR FORCE'
                  2 'UNEMP-IN LBR FORCE'
                  3 'KEEP HOUS/CHILD CARE'
                  4 'GOING TO SCHOOL'
                  5 'RETIRED/UNABLE WORK'
                  6 'OTHER'
/   FAMTYPE
                  1 '1 PARENT IN HH'
                  2 '2 PARENTS IN HH'
                  3 '3 NO PARENTS IN HH'
/   MOMEMPLD
                  1 '=> 35 HRS P/WEEK'
                  2 '< 35 HRS P/WEEK'
                  3 'HRS N/SPECIFIED'
                  4 'LOOKING F/WORK'
                  5 'N/IN LABOR FORCE'
/   MOMLABOR
                  1 'EMP-IN LBR FORCE'
                  2 'UNEMP-IN LBR FORCE'
                  3 'KEEP HOUS/CHILD CARE'
                  4 'GOING TO SCHOOL'
                  5 'RETIRED/UNABLE WORK'
                  6 'OTHER'
/   PARGRADE
                  1 'LESS THAN H/S'
                  2 'H/S GRAD/EQUIVALENT'
                  3 'VOC/TECH/SOME COLL'
                  4 'COLLEGE GRADUATE'
                  5 'GRADUATE/PROF SCHOOL'
                  9 'NEITHER PARENT IN HH'
/   PARNTCOL
                  1 'SINGLE/BOTH <COL'
                  2 '1 <COL, 1 COL DEG'
                  3 'SINGLE/BOTH COL DEG'
/   PARNTHS
                  1 'SINGLE/BOTH <H/S'
                  2 '1 <H/S, 1 H/S DEG'
                  3 'SINGLE/BOTH H/S DEG'
/   REGION
                 -1 'INAPPLICABLE'
                 -9 'NOT ASCERTAINED'
                  1 'NORTHEAST'
                  2 'CENTRAL'
                  3 'SOUTHEAST'
                  4 'WEST'
```

```
/   TEENMOM
                1 '17 OR YOUNGER'
                2 'AGE 18 OR 19'
                3 'AGE 20 OR OLDER'
/   URBAN
               -1 'INAPPLICABLE'
               -9 'NOT ASCERTAINED'
                0 'NON'
                1 'MSA'
                2 'NECMA'

SELECT IF ( (AGE90 LE  5) ).
```

SELECTS 3- TO 5-YEAR OLDS, AS WAS SPECIFIED IN THE EXTRACT CRITERIA IN THE ECB PROGRAM

```
SAVE OUTFILE='C:\ECB\WORK\EXTRACT.SYS'.
```

ASSIGN NAME OF ANALYSIS FILE (DEFAULT IS "EXTRACT")

```
DISPLAY DICTIONARY.
```

CONTENTS OF ANALYSIS FILE

```
* Frequencies /VARIABLES=
```

UNWEIGHTED FREQS OF CATEGORICAL VARIABLES
(insert the WEIGHT command above for weighted frequencies)

```
     HISPANIC      RACE    GENDER  HOMETYPE   OWNHOME  INCOMRNG    READTO
     NUMBOOKS  NEWSPAPR  RULEWHAT  RULETIME   RULEHRS  RULEDAYS   RULEFAM
       WKREAD   WKREADN   WKWORDS  WKWORDSN   WKMUSIC  WKMUSICN   WKSTORY
     WKSTORYN    WKSANG   WKSANGN   WKCRAFT  WKCRAFTN    WKPLAY   WKPLAYN
       WKEDTV   WKEDTVN  LIBRAYMO  LIBRAYYR   MOVIEMO   MOVIEYR  CONCRTMO
     CONCRTYR  MUSEUMMO  MUSEUMYR     ZOOMO     ZOOYR    PARKMO    PARKYR
      MOMLANG  MOMSPEAK  MOMGRADE   MOMDIPL   MOMWORK  MOMLEAVE  MOMHOURS
      MOMLOOK   MOMPUBL   MOMPRIV   MOMEMPL    MOMREL   MOMADS   MOMNOTH
      MOMOTHR   MOMACTY  DADGRADE   DADDIPL   DADWORK  DADLEAVE   DADLOOK
      DADPUBL   DADPRIV   DADEMPL    DADREL    DADADS   DADNOTH   DADOTHR
      DADACTY     AGE90  ALLGRADE  CENSUSDV  CENSUSRG  DADEMPLD  DADLABOR
      FAMTYPE  MOMEMPLD  MOMLABOR  PARGRADE  PARNTCOL   PARNTHS    REGION
      TEENMOM     URBAN
/MISSING=INCLUDE.
```

```
* Descriptives   VARIABLES=
```

UNWEIGHTED DESCRIPTIVE STATISTICS OF CONTINUOUS VARIABLES
(insert the WEIGHT command above for weighted estimates)

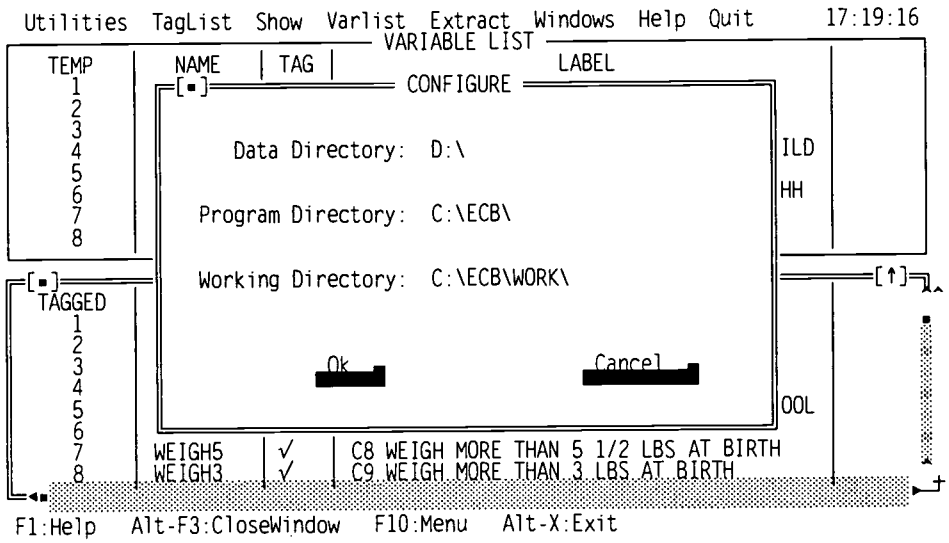
```
     NUMPERS   TVHOURS    MOMAGE    NEWMOM  DADHOURS      EWGT.
```

Appendix G: Configuring the ECB Directories

You may customize the names of the directories where the ECB program looks for its files by selecting the Setup option in the Utilities menu. However, the ECB program will not move the files or change their directory names, so you will have to do this yourself.

Select Utilities/Setup. The screen will look like the following:

The ECB setup window



Example: Changing the Directory for the NHES:91/93/95 Data Files

Reading data from a compact disc can take significantly longer than reading the same data from a conventional hard disk drive. However, the data files can be quite large. For NHES:91/93/95, the data files take up 275 megabytes of storage space.

If you have the hard disk storage available, you can copy the data files from the compact disc to the hard drive and SETUP the ECB program to look there for them.

1. Copy the data files you wish to analyze from the CD/ROM drive to your new directory.

   The data files are named as follows:

   91ADULT.DAT
   COURSE.DAT
   PRIMARY.DAT
   PREPRIM.DAT
   SAFETY.DAT
   READINES.DAT
   95ADULT.DAT
   ECPP.DAT

2. Start the ECB program.

3. Select the Utilities/Setup menu choice.

4. In the "Data Directory" section, change the **D:** so that it points to the new directory name.

The ECB program will now write out SAS, SPSS for DOS, and SPSS for Windows code that looks for the data files in the new directory name.

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